

% " ' = 89BH=: = 75H=CB' C: ' H<9' GI 6GH5B79#A=LHI F9' 5B8' C: ' H<9' 7CAD5BM#I B89FH5? =B; ' "

% " %' Df cXi Wh' =XYbh] Z] Yfg'

Product Name: Lysosomal Pro-X Carboxypeptidase /PRCP Overexpression Lysate

Catalog Number: NBL1-14732

Components: Overexpression Lysate

Empty Vector Negative Control

2x SDS Sample Buffer (contains SDS)

% " &' FY' Yj Ubh'] XYbh] Z] YX' i gYg' cZ' h\Y' gi VghUbWY' cf' a] l hif Y' UbX' i gYg' UXj] gYX' U[U] bgh' "

Identified Uses: For research use only.

% " ' ' 8YhU] ' g' cZ' h\Y' gi d d'] Yf' cZ' h\Y' g UZYhm' XUhU' g\YYh' "

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Abingdon Science Park Fax: 44 (0)1235 533420
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Unit 1901, Raffles Changning Office Fax: 76 (021)52371001
Shanghai, China Email address: techsupport.cn@bio-technie.com

% " (' 9aYf [YbWm' HY' Yd\cbY' Bi aVYf' "

Emergency Tel: For chemical emergency, spill, leak, fire, etc. 1-800-262-8200 (toll free in the US) or 1-800-262-8200 (toll free in Canada) or 1-800-262-8200 (toll free in Mexico) or 1-800-262-8200 (toll free in Europe) or 1-800-262-8200 (toll free in Japan) or 1-800-262-8200 (toll free in South Korea) or 1-800-262-8200 (toll free in Taiwan) or 1-800-262-8200 (toll free in Hong Kong) or 1-800-262-8200 (toll free in Singapore) or 1-800-262-8200 (toll free in Australia) or 1-800-262-8200 (toll free in New Zealand) or 1-800-262-8200 (toll free in South Africa) or 1-800-262-8200 (toll free in India) or 1-800-262-8200 (toll free in Brazil) or 1-800-262-8200 (toll free in Mexico) or 1-800-262-8200 (toll free in Chile) or 1-800-262-8200 (toll free in Argentina) or 1-800-262-8200 (toll free in Colombia) or 1-800-262-8200 (toll free in Peru) or 1-800-262-8200 (toll free in Venezuela) or 1-800-262-8200 (toll free in Ecuador) or 1-800-262-8200 (toll free in Bolivia) or 1-800-262-8200 (toll free in Paraguay) or 1-800-262-8200 (toll free in Uruguay) or 1-800-262-8200 (toll free in Cuba) or 1-800-262-8200 (toll free in Haiti) or 1-800-262-8200 (toll free in Dominican Republic) or 1-800-262-8200 (toll free in Puerto Rico) or 1-800-262-8200 (toll free in Guam) or 1-800-262-8200 (toll free in Northern Mariana Islands) or 1-800-262-8200 (toll free in American Samoa) or 1-800-262-8200 (toll free in U.S. Virgin Islands) or 1-800-262-8200 (toll free in British Virgin Islands) or 1-800-262-8200 (toll free in Cayman Islands) or 1-800-262-8200 (toll free in Anguilla) or 1-800-262-8200 (toll free in Antigua and Barbuda) or 1-800-262-8200 (toll free in Aruba) or 1-800-262-8200 (toll free in Bahamas) or 1-800-262-8200 (toll free in Barbados) or 1-800-262-8200 (toll free in Belize) or 1-800-262-8200 (toll free in Bermuda) or 1-800-262-8200 (toll free in Bonaire) or 1-800-262-8200 (toll free in Brazil) or 1-800-262-8200 (toll free in Brunei Darussalam) or 1-800-262-8200 (toll free in Cambodia) or 1-800-262-8200 (toll free in Canada) or 1-800-262-8200 (toll free in Chile) or 1-800-262-8200 (toll free in China) or 1-800-262-8200 (toll free in Colombia) or 1-800-262-8200 (toll free in Costa Rica) or 1-800-262-8200 (toll free in Czech Republic) or 1-800-262-8200 (toll free in Denmark) or 1-800-262-8200 (toll free in Dominican Republic) or 1-800-262-8200 (toll free in Ecuador) or 1-800-262-8200 (toll free in Egypt) or 1-800-262-8200 (toll free in El Salvador) or 1-800-262-8200 (toll free in Estonia) or 1-800-262-8200 (toll free in Finland) or 1-800-262-8200 (toll free in France) or 1-800-262-8200 (toll free in Germany) or 1-800-262-8200 (toll free in Greece) or 1-800-262-8200 (toll free in Guatemala) or 1-800-262-8200 (toll free in Hong Kong) or 1-800-262-8200 (toll free in Hungary) or 1-800-262-8200 (toll free in India) or 1-800-262-8200 (toll free in Indonesia) or 1-800-262-8200 (toll free in Israel) or 1-800-262-8200 (toll free in Italy) or 1-800-262-8200 (toll free in 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Mongolia) or 1-800-262-8200 (toll free in Montenegro) or 1-800-262-8200 (toll free in Morocco) or 1-800-262-8200 (toll free in Mozambique) or 1-800-262-8200 (toll free in Myanmar) or 1-800-262-8200 (toll free in Namibia) or 1-800-262-8200 (toll free in Nepal) or 1-800-262-8200 (toll free in Netherlands) or 1-800-262-8200 (toll free in New Zealand) or 1-800-262-8200 (toll free in New Caledonia) or 1-800-262-8200 (toll free in Nicaragua) or 1-800-262-8200 (toll free in Nigeria) or 1-800-262-8200 (toll free in Norway) or 1-800-262-8200 (toll free in Oman) or 1-800-262-8200 (toll free in Pakistan) or 1-800-262-8200 (toll free in Panama) or 1-800-262-8200 (toll free in Papua New Guinea) or 1-800-262-8200 (toll free in Paraguay) or 1-800-262-8200 (toll free in Peru) or 1-800-262-8200 (toll free in Philippines) or 1-800-262-8200 (toll free in Poland) or 1-800-262-8200 (toll free in Portugal) or 1-800-262-8200 (toll free in Romania) or 1-800-262-8200 (toll free in Russia) or 1-800-262-8200 (toll free in Rwanda) or 1-800-262-8200 (toll free in Saudi Arabia) or 1-800-262-8200 (toll free in Senegal) or 1-800-262-8200 (toll free in Serbia) or 1-800-262-8200 (toll free in Singapore) or 1-800-262-8200 (toll free in Slovakia) or 1-800-262-8200 (toll free in Slovenia) or 1-800-262-8200 (toll free in South Africa) or 1-800-262-8200 (toll free in South Korea) or 1-800-262-8200 (toll free in Spain) or 1-800-262-8200 (toll free in Sri Lanka) or 1-800-262-8200 (toll free in Sweden) or 1-800-262-8200 (toll free in Switzerland) or 1-800-262-8200 (toll free in Taiwan) or 1-800-262-8200 (toll free in Thailand) or 1-800-262-8200 (toll free in Timor-Leste) or 1-800-262-8200 (toll free in Tunisia) or 1-800-262-8200 (toll free in Turkey) or 1-800-262-8200 (toll free in Uganda) or 1-800-262-8200 (toll free in Ukraine) or 1-800-262-8200 (toll free in United Arab Emirates) or 1-800-262-8200 (toll free in United Kingdom) or 1-800-262-8200 (toll free in United States of America) or 1-800-262-8200 (toll free in Uruguay) or 1-800-262-8200 (toll free in Uzbekistan) or 1-800-262-8200 (toll free in Venezuela) or 1-800-262-8200 (toll free in Vietnam) or 1-800-262-8200 (toll free in Virgin Islands, British) or 1-800-262-8200 (toll free in Virgin Islands, U.S.) or 1-800-262-8200 (toll free in Wallis and Futuna) or 1-800-262-8200 (toll free in Western Sahara) or 1-800-262-8200 (toll free in Yemen) or 1-800-262-8200 (toll free in Zambia) or 1-800-262-8200 (toll free in Zimbabwe)

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& " ' < 5N5F8G' = 89BH=: = 75H=CB' "

& " %' 7' Ugg] Z] WUh] cb' cZ' h\Y' gi VghUbWY' cf' a] l hif Y' "

7' Ugg] Z] WUh] cb' UWWcf X] b[' hc' FY[i' Uh] cb' f 97L' Bc' %&+&#&\$\$, ' O; < G#7@DQ' cf' &' 7: F' %- %S' %&\$\$

Skin Corrosion/Irritation – Category 2

Serious Eye Damage/Eye Irritation – Category 2

& " &' @UVY' ' 9' YaYbhg' "

@UVY'] b[' UWWcf X] b[' hc' FY[i' Uh] cb' f 97L' Bc' %&+&#&\$\$, ' O; < G#7@DQ' "

Pictogram(s):



Signal Word: Warning Hazard

Statement(s):

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statement(s):

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves, protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing.
P332+P313 If skin irritation occurs, get medical advice/attention.
P337+P313 If eye irritation persists, get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

& " ' ' Ch\Yf' ' <UnUf Xg' "

Not available.

7CADCG=H=CB#=B; CFA5H=CB'CB'=B; F98=9BHG'

GiVghUbWYg'
SodiumDodecyl Sulfate

A]lhi fYg'

7cadcbYbh' 75G' Bc" ' 97' Bc" ' =bXYl' Bc" ' 7' Ugg] Z] WUh] cb'

SodiumDodecyl Sulfate 151-21-3 205-788-1 <10

(" ' : =FGH' 5=8' A95GI F9G'

(" %' 8YgWf] dh] cb' cZ' Z] fgh' U] X' aYUgifiYg'

; YbYfU' ' 5Xj] WY'

Consult a doctor and show this safety data sheet.

=Z' =b\U' YX'

Remove to refresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing

=b' 7UgY' cZ' G_] b' 7cbhUWh'

Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contact

=b' 7UgY' cZ' 9mY' 7cbhUWh'

Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if easy to do so. C

=Z' GkU' ' ckYX'

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never

(" &' Acgh'] adcfhUbh' gmadhcag' UbX' YZZYWhgž' Vch\ ' UWihY' UbX' XY' UmYX'

=b\U' Uh] cb'

Material may be irritating to the mucous membranes and upper respiratory tract.

G_] b' '

Causes skin irritation.

9mYg'

Causes eye irritation.

=b[Ygh] cb'

May be harmful if ingested.

(" ' ' =bX] WUh] cb' cZ'] aaYX] UhY' aYX] WU' ' UhhYbh] cb' UbX' gdYW] U' ' hfYUhaYbh' bYYXYX'

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

) " ' : =F9! : =; <H=B; ' A95GI F9G'

) " %' 9l h] b[i] g\] b[' aYX] U'

Gi] hUV' Y' Yl h] b[i] g\] b[' aYX] U'

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

) " &' GdYW] U' ' \nUnfXg' Uf] g] b[' Zfca' h\ Y' giVghUbWY' cf' ' a] lhi fY'

Combustible. In case of fire, irritating or toxic fumes or gases may be formed.

) " ' ' DfYWUi h] cbg' Zcf' Z] fY! Z] [\hYfg'

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breath

* " ' 577=89BH=5@' F9@95G9' A95GI F9G'

* " %' DYf gcbU' ' dfYWUi h] cbgž' dfchYWh] j Y' Yei] daYbh' UbX' YaYf [YbWm' dfc WYXif Yg'

Do not take action without suitable protective clothing -see section 8 of SDS. Evacuate personnel t
or gas.

* " &' 9bj] fcbaybhU' ' dfYWUi h] cbg'

Do not let product enter drains.

* " ' ' AYh\ cXg' UbX' aUhYf] U' g' Zcf' WcbhU] baybh' UbX' W' YUb] b[' id'

Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as d

* " (' FYZYfYbWY' hc' ch\ Yf' gYWh] cbg'

For required PPE see section 8. For disposal see section 13.

+ " ' <5B8@=B; ' 5B8' GHCF5; 9'

+ " %' DfYWUi h] cbg' Zcf' gUZY' \UbX'] b['

Avoid inhalation, contact with the eyes, skin and clothing. Use in a well-ventilated area. Do not eat, dri

+ " &' 7cbX] h] cbg' Zcf' gUZY' ghcfU [Yž'] bW' iX] b[' Ubm'] bWcadUh] V] '] h] Yg'

Store in cool, well-ventilated area. Keep container tightly closed in a dry and well-ventilated pla
leakage. Do not store in incompatible containers.

+ " ' ' GdYW] Z] W YbX` i gYg`
Not applicable.

, " ' ' 9LDCGI F9` 7CBHFC@G#D9FGCB5@` DFCH97H= CB`

, " %` 7cbhfc` `dUfUaYhYfg`
7cadcbYbhg`k]h` `kcf_d` UWY` Wcbhfc` `dUfUaYhYfg`
Contains no substances with occupational exposure limit values.

, " &` 9ldcgifY` Wcbhfc` g`
5ddfcdf] UhY` 9b[] bYYf] b[] 7cbhfc` g`
Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of S
eye wash station. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately
DYfgcbU` `DfchYWh] j Y` 9ei] daYbh`
9mY` #` : UWY` DfchYWh] cb`
Use appropriate safety glasses.
G_] b` DfchYWh] cb`
Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves s
handling.
6cXm` Dfc`
Wear appropriate protective clothing.
FYgd] fUhcfm` DfchYWh] cb`
If risk assessment indicates necessary, use a suitable respirator.

- " ' ' D<MG= 75@` 5B8` 7<9A= 75@` DFCD9FH= 9G`

- " %` =bZcfaUh] cb` cb` VUg] W` d\mg] WU` ` UbX` W\Ya] WU` ` dfcdYfh] Yg`
5ddYUfUbWY` Liquid J Udcf` DfYggi fY` No data available.
CXcf` Little to none J Udcf` 8Ybg] hm` No data available.
CXcf` H\ fYg\ c` X` No data available. FY` Uh] j Y` 8Ybg] hm` No data available.
d<` No data available. Gc` i V] `] hm` Soluble
AY` h] b[] #` : fYYn] b[] Dc` No data available. D Ufh] h] cb` 7cYZZ] W] Yb] No data available.
6c] `] b[] Dc] bh` #` FUb[Y No data available. 5i hc] [b] h] cb` HYadYf U] No data available.
: ` Ug\` Dc] bh` No data available. 8YWcadcg] h] cb` HYadYf U] No data available.
9j UdcfUh] cb` FUHy` No data available. J] gWcg] hm` No data available.
: ` UaaUV] `] hm` fGc`] Xz` No data available. 9l d` cDfcdY` No data available.
I ddYf` #` @ckYf` : ` UaaUV] `] hm` cf`
9l d` cg] j Y` @] a] hg` : ` No data available. : ` : ` Cl] X] n] b[] DfcdYfh] Yg` No data available.
- " &` : ` : ` Ch\Yf` gUZYhm] bZcfaUh] cb`
No data available.

%S` ` GH56=@= HM` 5B8` F957H= J = HM`

%S` %` FYUWh] j] hm`
No data available.

%S` &` 7\Ya] WU` ` ghUV] `] hm`
Stable under recommended storage conditions.

%S` " ` Dcgg] V] `] hm` cZ` \ UnUfXci g` fYUWh] cbg`
Hazardous reactions will not occur under normal transport or storage conditions. Decomposition r

%S` (` 7cbX] h] cbg` hc` Uj c] X`
No data available.

%S`) ` bWcadUh] V` Y` aUhYf] U` g`
Oxidizing agents.

%S` * ` <UnUfXci g` XYWcadcg] h] cb` dfcXi Whg`
Carbon dioxide, Carbon monoxide, Sodium oxides, Sulfur oxides.

%%` " ` HCL = 7C@C; = 75@` = B: CFA5H= CB`

%%` %` =bZcfaUh] cb` cb` hcl] Wc` c[] WU` ` YZZYWhg`
5W hY` Hcl] W] hm`
LD50 Oral - rat - 1,288 mg/kg.
G_] b` 7cffcg] cb` #` = ff] hUh] cb`
Causes redness.
GYf] cig` 9mY` 8UaU[Y` #` = ff] hUh] cb`

Redness and pain.

FYgd] fUhcfm'cf'G_]b'GYbg]h]nUh]cb'

Sore throat and cough.

;Yfa'7Y''Ai hU[Yb] W] hm'

Classified based on available data.

7UfW]bc[Yb] W] hm'

Classified based on available data.

FYdfcXi Wh]j Y' Hcl] W] hm'

Classified based on available data.

GdYW]Z]W' HUF[Yh' Cf[Ub' Hcl] W] hm'!'G] b['Y' 9l dcgify'

Classified based on available data.

GdYW]Z]W' HUF[Yh' Cf[Ub' Hcl] W] hm'!'FYdYUhYX' 9l dcgify'

Classified based on available data.

5gd]fUh]cb'<UnUfX'

Classified based on available data.

Gmadhcag' #' FcihYg'cZ' 9l dcgify'

Inhalation: Causes cough and sore throat.

Ingestion: Causes abdominal pain, diarrhea, nausea, and vomiting.

Skin: Causes redness and irritation.

Eyes: Causes redness and pain.

Delayed / Immediate Effects:

5XX]h]cbU''=bZcfaUh]cb'

Classified based on available data.

%&"' 97C@C; = 75@' = B: CFA5H= CB'

%&" %'Hcl] W] hm'

No data available.

%&" &'DYfg]ghYbWY' UbX'XY[fUXUV]'] hm'

No data available.

%&"' '6]c' UWWi ai' Uh]j Y' dchYbh] U''

No data available.

%&" ('AcV]'] hm'] b' gc]']

No data available.

%&")' FYgi' hg' cZ' D6H' UbX' j Dj 6' UggYggaYbh'

No data available.

%&" * 'Ch\Yf' UXj YfgY' YZZYWhg'

No data available.

%' " ' 8 = GDCG5@' 7CBG= 89F5H= CBG'

%' " %' KUghY' hf YUhaYbh' aYh\cXg'

DfcXi Wh'

Transfer to a suitable container and arrange for collection by specialized disposal company in a

7cbhUa] bUhYX' DUW_U[] b[]

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance

GdYW] U'' Df YWUi h] cbg'

Dispose of small amounts of spilled material as described in section 6. Large spills must be dealt with
water ways, drains, and sewers.

%(" ' HF5BGDCFH' = B: CFA5H= CB'

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, AD

%(" %' IB! Bi aVYf'

Does not meet the criteria for classification as hazardous for transport.

%(" &' IB' dfcdYf' g\] dd] b[] bUaY'

Does not meet the criteria for classification as hazardous for transport.

%(" ' Hf Ubgdcfh' \UnUfX' W' UggfYgL'

Does not meet the criteria for classification as hazardous for transport.

%(" ('DUW_U[] b[] [fci d'

Does not meet the criteria for classification as hazardous for transport.

%) " '9bj] f c b a Y b h U ' ' \ Un U f X g '

Does not meet the criteria for classification as hazardous for transport.

%) " * 'GdYW] U ' ' d f Y W U i h] c b g ' Z c f ' i g Y f g '

Does not meet the criteria for classification as hazardous for transport.

5XX] h] c b U ' ' H f U b g d c f h ' = b Z c f a U h] c b '

Does not meet the criteria for classification as hazardous for transport.

%) " ' F 9 ; I @ 5 H C F M ' = B : C F A 5 H = C B '

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

%) " % 'G U Z Y h m z ' \ Y U ' h ' \ U b X ' Y b j] f c b a Y b h U ' ' f Y [i ' U h] c b g # ' Y [] g ' U h] c b ' g d Y W] Z] W ' Z c f ' h \ Y ' g i V g h U b W Y ' c f

H G 7 5 ' f H c l] W ' G i V g h U b S v d g ' u 7 m D o n e c y l 5 U h L f a t e i s l i s t e d .

G 5 F 5 ' ' N o ' t a p p l i c a b l e .

G 5 F 5 ' ' % # ' t % a p p l i c a b l e .

7 9 F 7 @ 5 ' F Y d c f h U V N o t ' a p p l i c a b l e .

7 U '] Z c f b] U ' D f N o t a p p l i c a b l e .

%) " & ' 7 \ Y a] W U ' ' g U Z Y h m ' U g g Y g g a Y b h '

A Chemical Safety Assessment has not been made for this product.

%) " ' C H < 9 F ' = B : C F A 5 H = C B '

: i f h \ Y f ' = b Z c f a U h] c b '

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This company shall not be held liable for any damage resulting from handling or from contact with experienced scientists in appropriately equipped and authorized facilities. The above information is used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate procedures. This information does not, under any circumstance, be taken to mean that no hazard exists.

End of safety datasheet.