

GUZYhm'8UhU'G\YYh'

Version 3.0 SDS Revisio **www.novusbio.com**

```
= 89BH=: = 75H=CB·C: H<9 GI6GH5B79#A=LHIF9 5B8 C: H<9 7CAD5BM#IB89FH5?=B;
%" % Df c Xi Wh = XYbh Z Yfg
           Product Name: FBP2 Overexpression Lysate
           Catalog Number: NBP2-07944
           Components: Overexpression Lysate
                                         Empty Vector Negative Control
                                          2x SDS Sample Buffer (contains SDS)
%" & 'FY`YjUbh' ] XYbh] Z] YX' i gYg' c Z'h\Y' gi VghUbWY' c f 'a]l hi f Y' UbX' i gYg' UXj ] gYX' U[U] bgh'
           Identified Uses:
                                                                            For research use only.
%"' ' 8 Y h U ] `g `c Z ` h \ Y `g i d d ` ] Y f `c Z ` h \ Y `g U Z Y h m ` X U h U `g \ Y Y h `
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                                                                                                                            Unit 1901, Raffles Changning Office
                                                                                                                            Shanghai, China
%" ( ' 9 a Y f [ Y b Wm ' H Y ` Y d \ c b Y ' B i a V Y f '
           Emergency Tel: For chemical emergency, spill, leakVithine U. 6xpots 6x0 0-262-820 0d 4World avible C
           Bio-Techne Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 8
          < 5 N 5 F 8 G^{\cdot} = 8 9 B H = : = 7 5 H = C B^{\cdot}
&" % ^{\cdot} 7 ^{\cdot} Ugg] Z] WUh] c b ^{\cdot} c Z ^{\cdot} h \ Y ^{\cdot} gi VghUb WY ^{\cdot} c f ^{\cdot} a] l hi f Y ^{\cdot}
           7`Ugg]Z]WUh]cb`UWWcfX]b[`hc`FY[i`Uh]cb`fl97L`Bc`%&+&\#&\$\$, `O; < G\#7@DQ`cf`&-`7:F`%-%\$"%&\$\$, `Warder of the control of the co
           Skin Corrosion/Irritation - Category 2
           Serious Eye Damage/Eye Irritation - Category 2
&" &' @UVY` '9 `YaYbhg'
           @~U~V~Y~`~]~b~[~`~U~WWc~f~X]~b~[~`~h~c~`~F~Y~[~i~`~U~h~]~c~b~`~fl~9~7~\ell~`~B~c~`~\%&+~\&\#~\&~S~S~,~`~O;~<~G~\#~7~@~D~Q~.
           Pictogram(s):
           Signal Word:
                                                                                     Warning Hazard
           Statement(s):
           H 3 1 5
                                                        Causes skin irritation.
                                                        Causes serious eye irritation.
           Precautionary Statement(s):
           P 2 6 4
                                                        Wash hands thoroughly after handling
```

Wear protective gloves, protective clothing/eye protection/face pro IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs, get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If eye irritation persists,

IF IN EYES: Rinse cautiously with water for several minutes. Re

get medical advice/attention.

P 3 3 7 + P 3 1 3 P 3 6 2 + P 3 6 4 &" ' ' C h \ Y f ' < U n U f X g '

P332+P313

P 2 8 0 P 3 0 2 + P 3 5 2 P 3 0 5 + P 3 5 1 + P 3 3 8

- ' " ' 7 C A D C G = H = C B # = B : C F A 5 H = C B ' C B ' = B ; F 9 8 = 9 B H G '
- ' " % ' Gi V g h U b WY g '

Sodium Dodecyl Sulfate

 $^{\prime}$ " & $^{\cdot}$ A] l h i f Y g $^{\cdot}$

7 c a d c b Y b h ·

75G · Bc " ·

97 Bc " ·

= b XYl · Bc " ·

7 ` U g g] Z] WU h] c b ·

Sodium Dodecyl Sulfate

151-21-3

205-788-1

- (" : = FGH : 5 = 8 : A95GIF9G :

; YbYfU` 5Xj]WY

Consult a doctor and show this safety data sheet.

(" & ` Acgh `] adcf h U b h ` g madh cag ` U b X ` Y Z Z Y W h g ž ` V c h \ ` U W i h Y ` U b X ` X Y ` U m Y X `

 $= Z \cdot = b \setminus U \cdot Y X$

Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen = $b^{\cdot}7UgY^{\cdot}cZ^{\cdot}G_{-}$ | $b^{\cdot}7cbhUWh^{\cdot}$

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

 $= \ b \ \ \ 7 \ U \ g \ Y \ \ \ c \ Z \ \ \ 9 \ mY \ \ \ 7 \ c \ b \ h \ U \ Wh \ \ .$

Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if $= Z \cdot GkU \cdot \cdot ckYX$

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical per

 $= b \setminus U \setminus U h \mid c b$

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

 G_{-}] b . .

Causes skin irritation.

9 mY g

Causes eye irritation.

= b [Ygh] cb.

May be harmful if ingested.

("' · = b X] WUh] c b · c Z ·] a a Y X] Uh Y · a Y X] WU ` · Uh h Y b h] c b · Ub X · g d Y W] U ` · h f Y Uh a Y b h · b Y Y X Y X ·

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

-) " : = F 9 ! : = ; < H = B ; · A 9 5 G I F 9 G ·
-) " % · 9 l h] b [i] g \] b [· AYX] U ·

Gi] h U V ` Y ' Y l h] b [i] g \] b [' a Y X] U '

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

) " & G d Y W] U ` ` \ U n U f X g ` U f] g] b [` Z f c a ` h \ Y ` g i V g h U b WY ` c f ` a] l h i f Y `

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

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

- * " · 577 = 89 B H = 5@ · F 9@ 9 5 G 9 · A 9 5 G I F 9 G ·
- * " % ` DYfgcbU` ` dfYWUih]cbgž ` dfchYWh]jY Yei]daYbh ` UbX ` YaYf[YbWm ` dfcWYXifYg`

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

* " & · 9 b j] f c b a Y b h U ` · d f Y WU i h] c b g ·

Do not let product enter drains.

* " ' ` AYh\cXg ` UbX ` aUhYf] U ` g ` Zcf ` WcbhU] baYbh ` UbX ` W` YUb] b[` i d `

Cover spillage with suitable absorbent material. Hold all material for appropriate dis

* " (` F Y Z Y f Y b WY ` h c ` c h \ Y f ` g Y Wh] c b g `

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

- + " < 5 B 8 @ = B; 5 B 8 G H C F 5; 9
- + " % · D f Y WU i h] c b g · Z c f · g U Z Y · \ U b X `] b [·

Avoid inhalation, contact with eyes, skin and clothing. Use in a well-ventilated area.

+ " & ` 7 c b X] h] c b g ` Z c f ` g U Z Y ` g h c f U [Y ž `] b W i X] b [` U b m `] b W c a d U h] V] `] h] Y g `

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

```
+ " ' ' G d Y W] Z ] W' Y b X ' i g Y g
      Not applicable.
      9 L D C G I F 9 · 7 C B H F C @ G # D 9 F G C B 5 @ · D F C H 9 7 H = C B ·
, " % · 7 c b h f c ` · d U f U a Y h Y f g ·
      7 c a d c b Y b h g ' k ] h \ ' k c f _ d ` U WY ' Wc b h f c ` ' d U f U a Y h Y f g '
      Contains no substances with occupational exposure limit values.
, " & '9 l d c g i f Y 'Wc b h f c `g'
      5 d d f c d f ] U h Y · 9 b [ ] b Y Y f ] b [ · 7 c b h f c ` g ·
      Use in a fume hood where applicable. Ensure all engineering measures described under s
      eye wash station. Avoid contact with skin, eyes, and clothing. Wash hands before break
      DYfgcbU` DfchYWh]jY 9ei]daYbh
      9 \text{ mY} ' # ' : UWY ' Df ch YWh] cb '
      Use appropriate safety glasses.
      G_ | b · Df ch Y Wh | cb ·
      Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:
      handling.
      6 c X m Df c
      Wear appropriate protective clothing.
      FYgd]fUhcfm.DfchYWh]cb
      If risk assessment indicates necessary, use a suitable respirator.
        D < MG = 7.5 @ ` 5B8 ` 7 < 9A = 7.5 @ ` DFCD9FH = 9G ` \\
- " % .
         = b Z c f a U h ] c b · c b · V U g ] W · d \ mg ] WU ` · U b X · W\ Y a ] WU ` · d f c d Y f h ] Y g ·
      5ddYUfUbWY
                                                             JUdcf Df Yggif Y
                                                                                         No data available.
                                                             JUdcf \cdot 8Ybg]hm
      CXcf.
                                  Little to none
                                                                                         No data available.
                                                             FY`Uh]jY'8Ybg]hm'
      CXcf \cdot H \setminus fYg \setminus c \cdot X
                                  No data available.
                                                                                         No data available.
                                  No data available.
                                                             Gc ` i V] ` ] h m
                                                                                         Soluble
      AY`h]b['#':fYYn]b['DcNdohdata available.
                                                             D\,U\,f\,h\,]\,\,h\,]\,\,c\,\,b\,\,\dot{}\,\,7\,c\,\,Y\,Z\,Z\,]\,\,W]\,\,Y\,b\,\,lN\,\dot{}o\quad d\,a\,t\,\,a\quad a\,v\,\,a\,i\,\,l\,\,a\,\,b\,\,l\,\,e\,\,.
      6c] `]b[ 'Dc]bh '# 'FUb[YNo data available.
                                                             5 i h c | [b | h | c b ' H Y a d Y f U h Niof Yd at a available.
      : ` U g \setminus ` D c ] b h ·
                                  No data available.
                                                             8 Y Wcadcg]h]cb'HYadYf WhoifdYa'ta available.
      9j Udcf Uh]cb·FUhY·
                                  No data available.
                                                             J | g Wc g | h m
                                                                                         No data available
      :`UaaUV]`]hm'flGc`]Xž'NoUgoLata available.
                                                             91 d`cDfcdY'
                                                                                         No data available.
      IddYf'#'@ckYf': `UaaUV]`]hm'cf'
      9 l d`cg] j Y`@] a | hg````Noo'data available.
        · · · · Ch\Yf · gUZYhm · | bZcfaUh | cb ·
      No data available.
% $ " · G H 5 6 = @ = H M · 5 B 8 · F 9 5 7 H = J = H M ·
%$ " % FYUWh] j ] h m
      No data available.
%$"&'7\Ya|WU`'ghUV]`]hm'
      Stable under recommended storage conditions.
% $ " ' 'Dcgg] V] ` ] h m ' c Z ' \ Un Uf X c i g ' f Y U Wh ] c b g '
      Hazardous reactions will not occur under normal transport or storage conditions. Decom
%$ " ( '7 c b X ] h ] c b g ' h c ' U j c ] X
      No data available.
% $ " ) '= b Wc a d U h ] V ` Y ' a U h Y f ] U ` g '
      Oxidizing agents.
\% $ " * '< U n U f X c i g · X Y Wc a d c g ] h ] c b · d f c X i Wh g ·
      Carbon dioxide, Carbon monoxide, Sodium oxides, Sulfur oxides.
%%" HCL=7C@C; = 75@ = B: CFA5H=CB
\%\%" % = b Z c f a U h ] c b · c b · h c l ] Wc ` c [ ] WU ` · Y Z Z Y Wh g
      5 WihY Hell Whm
      LD50 Oral - rat - 1,288 mg/kg.
      G_{-}] b · 7 c f f c g ] c b · # · = f f ] h U h ] c b
      Causes redness.
```

GYf] cig '9 mY '8 Ua U[Y '# '= ff] h Uh] cb'

```
F Y g d ] f U h c f m ' c f ' G _ ] b ' G Y b g ] h ] n U h ] c b '
     Sore throat and cough.
     ; Yf a '7Y' 'AihU[Yb]W|hm'
     Classified based on available data.
     7 Uf W| bc [ Yb ] W| hm
     Classified based on available data.
     FYdfcXiWh]jY'Hcl]W]hm'
     Classified based on available data.
     GdYW] Z] W' HUf [Yh ' Cf [Ub ' Hcl] W] hm'! 'G] b[ `Y '91 dcgifY'
     Classified based on available data.
     GdYW| Z| W HUf [ Yh Cf [ Ub Hcl ] W hm ! FYdYUhYX 9 l dcgifY ...
     Classified based on available data.
     5 g d ] f Uh ] c b < Un Uf X
     Classified based on available data.
     Gmadhcag' #'FcihYg'cZ'9ldcgifY'
     Inhalation: Causes cough and sore throat.
                    Causes abdominal pain, diarrhea, nausea, and vomiting.
     Ingestion:
                    Causes redness and irritation.
     Skin:
                    Causes redness and pain.
     Delayed / Immediate Effects:
     5XX] h | c b U \ = b Z c f a U h | c b \
······C'l'a's's'i'f'i'e'd' 'based on available data.
\% \&" · 9 7 C @ C; = 7 5 @ · = B : C F A 5 H = C B ·
%&" % 'HcllWIhm'
     No data available.
% & " & 'D Y f g ] g h Y b WY ' U b X ' X Y [ f U X U V ] ` ] h m '
     No data available.
%&" ' '6] c ' U W W a i ` U h ] j Y ' d c h Y b h ] U ` '
     No data available.
%&" ( 'AcV] ` | hm' | b ' gc | ` '
     No data available.
\%\&" ) 'F Y g i ` h g ' c Z ' D 6 H ' U b X ' j D j 6 ' U g g Y g g a Y b h '
     No data available.
%&" * 'C h \ Y f ' U X j Y f g Y ' Y Z Z Y Wh g '
     No data available.
\%' " \cdot 8 = G D C G 5 @ \cdot 7 C B G = 8 9 F 5 H = C B G \cdot
%' " %'KUghY' hf YUhaYbh' aYh\cXg'
     DfcXiWh
     Transfer to a suitable container and arrange for collection by specialized disposal co
     7 c b h U a ] b U h Y X · D U W_ U [ ] b [ ·
     Dispose of in a regulated landfill site or other method for hazardous or toxic wastes
     GdYW|U`DfYWUih|cbg
     Dispose of small amounts of spilled material as described in section 6. Large spills m
     waterways, drains, and sewers.
%( " ' HF 5 B G D C F H ' = B : C F A 5 H = C B '
     Classified according to the criteria of the UN Model Regulations as reflected in the I
%( " % 'I B! Bi a V Y f '
     Does not meet the criteria for classification as hazardous for transport.
%( " & I B df cdYf g \ dd b [ b UaY .
     Does not meet the criteria for classification as hazardous for transport.
%("' 'Hf Ubgdcfh'\UnUfX'W'UggflYgŁ'
     Does not meet the criteria for classification as hazardous for transport.
```

Redness and pain.

%(" ($`DUW_U[]$ b [` [f c i d `

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

%(") '9 b j] f c b a Y b h U` ' \ U n U f X g '

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

%(" * 'GdYW] U` ' dfYWUih] cbg 'Zcf'igYfg'

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

5 X X] 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.

%) "% `GUZ Y h mž`\YU`h\`Ub X`Ybj]fcba Y b h U``fY[i`Uh]cbg #`Y[]g`Uh]cb `gd Y W]Z]W`Zcf`h\Y`giVgh Ub WY`cf HG75 `fl Hcl]W`GiVgh Ub SWbYdgiu7mcbDnofdce`c`y5l WhStu l`fate is listed.

G5F5 'N%'t 'applicable.

G5F5'' % %N#b't % &a.p'plicable.

79F7@5 FYdcfhUVNoYt EaipUpblhi]chamble.

7 U`] Z c f b] U`D fNcodt c ga]php]l ci bc a*b)l.e.

%) " & '7 \ Y a] WU` ' 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

: $i f h \setminus Y f = b Z c f a U h | c b$

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

End of safety data sheet.