

Product Datasheet

Recombinant Human IL-1 beta/IL-1F2 Protein NBP2-35895-10ug

Unit Size: 10 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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Publications: 3

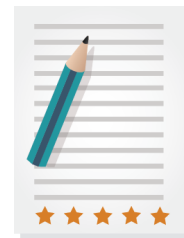
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NBP2-35895-10ug

Recombinant Human IL-1 beta/IL-1F2 Protein

Product Information	
Unit Size	10 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	17.3 kDa

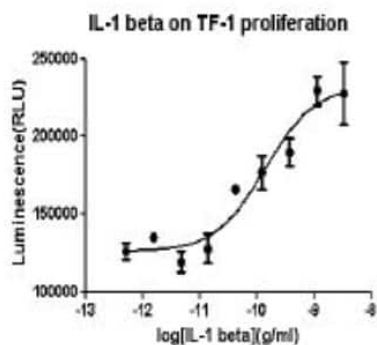
Product Description	
Description	<p>A single non-glycosylated polypeptide chain containing 153 amino acids corresponding to IL-1 beta/IL-1F2 Source: <i>E. coli</i></p> <p>Uniprot ID: <i>P01584</i></p> <p>Amino Acid Sequence: <i>APVRSLNCTL RDSQQKSLVM SGPYELKALH LQQQDMEQQV VFSMSFVQGE ESNDKIPVAL GLKEKNLYLS CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTKGG QDITDFTMQF VSS</i></p>
Gene ID	3553
Gene Symbol	IL1B
Species	Human
Details of Functionality	IL-1 beta/IL-1F2 protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 1.0 pg/ml, corresponding to a specific activity of > 1.0 x 10 ⁹ IU/mg
Endotoxin Note	Less than 1 EU/ug of IL-1 beta/IL-1F2 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

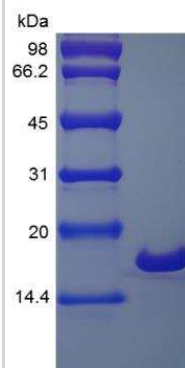


Images

Functional: Human IL1 beta Protein [NBP2-35895]



SDS-Page: Human IL-1 beta/IL-1F2 Protein [NBP2-35895]



Publications

Ebata T, Terkawi M, Hamasaki M et al. Flightless I is a catabolic factor of chondrocytes that promotes hypertrophy and cartilage degeneration in osteoarthritis *iScience* 2021-05-01 [PMID: 34142066]

Chen Wu, Bin Xu, You Zhou, Mei Ji. Correlation between serum IL-1b and miR-144-3p as well as their prognostic values in LUAD and LUSC patients. *Oncotarget* 2016-12-27 [PMID: 27811377]

Wang L, Zhang LF, Wu J et al. IL-1b-mediated repression of microRNA-101 is crucial for inflammation-promoted lung tumorigenesis. *Cancer Res* 2014-09-01 [PMID: 24958470]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-35895-10ug

NBP2-35109-10ug	Recombinant Mouse IL-1 beta/IL-1F2 Protein
210-TA-005	TNF-alpha [Unconjugated]
201-LB-005	IL-1 beta/IL-1F2 [Unconjugated]
M6000B-1	IL-6 [HRP]

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