

Product Datasheet

Recombinant Human BMP-2 Protein NBP2-34928-10ug

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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NBP2-34928-10ug

Recombinant Human BMP-2 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 H ₂ O to a concentration of 0.1-1.0mg/mL. Do not reconstitute in PBS or cell culture media.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution containing 10 mM sodium citrate pH 3.5.
Target Molecular Weight	26.0 kDa

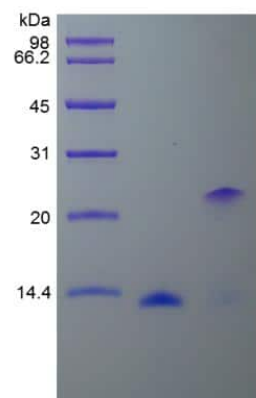
Product Description	
Description	A homodimeric protein consisting of two 115 amino acid non-glycosylated polypeptide chains corresponding to BMP-2 Source: <i>E. coli</i> Uniprot ID: <i>P12643</i> Amino Acid Sequence: <i>MQAKHKQRKR LKSSCKRHPL YVDFSDVGWN DWIVAPPGYH AFYCHGEC PF PLADHLNSTN HAIVQTLVNS VNSKIPKACC VPTELSAISM LYLDENEKVV LKNYQDMVVE GCGCR</i>
Gene ID	650
Gene Symbol	BMP2
Species	Human
Details of Functionality	BMP2 protein is fully biologically active when compared to standard. The ED50 as determined by inducing alkaline phosphatase production of murine ATDC5 cells is less than 200 ng/ml, corresponding to a specific activity of > 5.0 x 10 ³ IU/mg.
Endotoxin Note	Less than 1 EU/ug of BMP-2 as determined by LAL method.

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



Images

SDS-Page: Human BMP-2 Protein [NBP2-34928] - The Recombinant Human BMP-2 homodimeric protein is resolved by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



Publications

Cheng Chen, Yi Qin, Jian-ping Fang et al. WSS25, a sulfated polysaccharide, inhibits RANKL-induced mouse osteoclast formation by blocking SMAD/ID1 signaling. *Acta Pharmacol Sin* 2015-09-01 [PMID: 26299951]

Huang K, Fu J, Zhou W et al. MicroRNA-125b regulates osteogenic differentiation of mesenchymal stem cells by targeting Cbfb in vitro. *Biochimie* 2014-07-01 [PMID: 24560795]



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 NBP2-34928-10ug

NBP2-36435-2ug	Human BMP-2 Recombinant Protein
DVE00	VEGF [HRP]
355-BM-010	BMP-2 [Unconjugated]
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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