

Product Datasheet

Recombinant Mouse Noggin Protein NBP2-35098-5ug

Unit Size: 5ug

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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NBP2-35098-5ug

Recombinant Mouse Noggin Protein

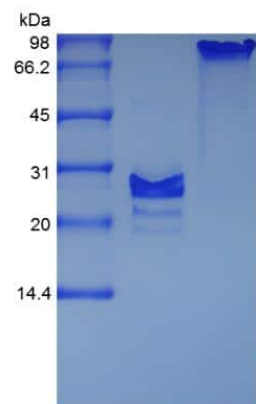
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in 10 mM HAc to a concentration less than 0.25mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA.
Target Molecular Weight	46.4 kDa

Product Description	
Description	A disulfide-linked homodimer consisting of two 206 amino acid polypeptide chains corresponding to Noggin Source: <i>E. coli</i> Uniprot ID: P97466 Amino Acid Sequence: MQHYLHIRPA PSDNLPLVDL IEHPDPIFDP KEKDLNETLL RSLGHHYDP GFMATSPPED RPPGGGGPAG GAEDLAELDQ LLRQRPSGAM PSEIKGLEFS EGLAQGKKQR LSKKLRRKLQ MWLWSQTFCP VLYAWNDLGS RFWPRYVKVG SCFSKRSCSV PEGMVCKPSK SVHLTVLRWR CQRRGGQRCG WIPIQYPIIS ECKCSC
Gene ID	9241
Gene Symbol	NOG
Species	Mouse
Details of Functionality	Noggin protein is fully biologically active when compared to standard. The ED50 as determined by inhibiting BMP-4-induced alkaline phosphatase production of murine ATDC5 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 x 10 ⁵ IU/mg in the presence of 5 ng/ml BMP-4
Endotoxin Note	Less than 1 EU/ug of Noggin as determined by LAL method.

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

Images

SDS-Page: Mouse Noggin Protein [NBP2-35098]



Publications

AD Werts, WB Fulton, MR Ladd, A Saad-Elidin, YX Chen, ML Kovler, H Jia, EC Banfield, R Buck, K Goerhing, T Prindle, S Wang, Q Zhou, P Lu, Y Yamaguchi, CP Sodhi, DJ Hackam A novel role for necroptosis in the pathogenesis of necrotizing enterocolitis *Cell Mol Gastroenterol Hepatol*, 2019-11-19;0(0):. 2019-11-19 [PMID: 31756560]

Ladd MR, Martin LY, Werts A et al. The Development of Newborn Porcine Models for Evaluation of Tissue Engineered Small Intestine. *Tissue Eng Part C Methods* 2018-04-11 [PMID: 29638197] (Porcine)



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Products Related to NBP2-35098-5ug

NBP2-35079-5ug	Recombinant Human Noggin Protein
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
6057-NG-025	Noggin [Unconjugated]
314-BP-010	BMP-4 [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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