

Product Datasheet

Recombinant Mouse CNTF Protein NBP2-35168-5ug

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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Publications: 2

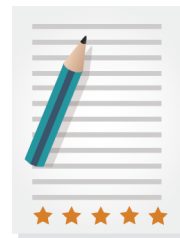
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NBP2-35168-5ug

Recombinant Mouse CNTF Protein

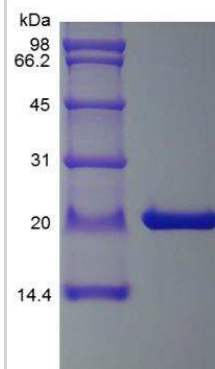
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl, 5 % Trehalose, 0.02% Tween-20.
Target Molecular Weight	22.5 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 197 amino acids corresponding to CNTF Source: <i>E. coli</i> Uniprot ID: <i>P51642</i> Amino Acid Sequence: AFAEQSPLTL HRRDLCSRSI WLARKIRSDL TALMESYVKH QGLNKNISLD SVDGVPVAST DRWSEMTEAE RLQENLQAYR TFQGMLTKLL EDQRVHFTPT EGDFHQAIHT LTLQVSAFAY QLEELMALLE QKVPEKEADG MPVTIGDGGGL FEKKLWGLKV LQELSQWTVR SIHDLRVISS HHMGISAHES HYGAKQM
Gene ID	1270
Gene Symbol	CNTF
Species	Mouse
Details of Functionality	CNTF Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 30 ng/ml, corresponding to a specific activity of $> 3.3 \times 10^4$ IU/mg.
Endotoxin Note	Less than 1 EU/ug of CNTF as determined by LAL method.

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

Images

SDS-Page: Mouse CNTF Protein [NBP2-35168]



Publications

Yong J, GrOger S, von Bremen J, Ruf S Ciliary Neurotrophic Factor (CNTF) Inhibits In Vitro Cementoblast Mineralization and Induces Autophagy, in Part by STAT3/ERK Commitment International journal of molecular sciences 2022-08-18 [PMID: 36012576] (BA)

Details:

OCCM-30 cells were kinetically

Yong J, Groeger S, von Bremen J, Ruf S Ciliary Neurotrophic Factor (CNTF) and Its Receptors Signal Regulate Cementoblasts Apoptosis through a Mechanism of ERK1/2 and Caspases Signaling International Journal of Molecular Sciences 2022-07-28 [PMID: 35955469] (CellDiff)



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Products Related to NBP2-35168-5ug

NBP2-35289-5ug	Recombinant Rat CNTF Protein
M6000B-1	IL-6 [HRP]
257-NT-010	CNTF [Unconjugated]
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]

Limitations

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