

Product Datasheet

Recombinant Human GDNF Protein NBP2-34888-10ug

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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NBP2-34888-10ug

Recombinant Human GDNF Protein

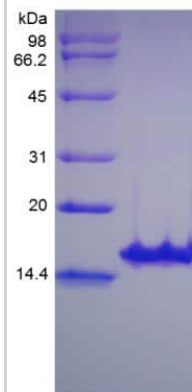
Product Information	
Unit Size	10 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge 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 1 x PBS, pH 7.4, with 0.05 % Tween-20.
Target Molecular Weight	30.1 kDa

Product Description	
Description	A homodimeric protein consisting of two 134 amino acid non-glycosylated polypeptide chains corresponding to GDNF Source: <i>E. coli</i> Uniprot ID: <i>P39905</i> Amino Acid Sequence: <i>SPDKQMAVLP RRERNRQAAA ANPENSRGKG RRGQRGKNRG CVLTAIHLNV TDLGLGYETK EELIFRYCSG SCDAAEITYD KILKNLSRNR RLVSDKVGQA CCRPIAFDDD LSFLDDNLVY HILRKHSAKR CGCI</i>
Gene ID	2668
Gene Symbol	GDNF
Species	Human
Details of Functionality	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat C6 cells is less than 0.1 ng/ml, corresponding to a specific activity of > 5.0 x 10 ⁷ IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of GDNF as determined by LAL method.

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

Images

SDS-Page: Human GDNF Protein [NBP2-34888]



Publications

Giovanna Sonsalla, Ana Belen Malpartida, Therese Riedemann, Mirjana Gusic, Ejona Rusha, Giorgia Bulli, Sonia Najas, Aleks Janjic, Bob A. Hersbach, Pawel Smialowski, Micha Drukker, Wolfgang Enard, Jochen H.M. Prehn, Holger Prokisch, Magdalena Götz, Giacomo Masserdotti Direct neuronal reprogramming of NDUFS4 patient cells identifies the unfolded protein response as a novel general reprogramming hurdle Neuron 2024-04-03 [PMID: 38266647]



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Products Related to NBP2-34888-10ug

NBP2-35204-100ug	Recombinant Rat GDNF Protein
210-TA-005	TNF-alpha [Unconjugated]
212-GD-010	GDNF [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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