

Product Datasheet

Recombinant Rat GDNF Protein

NBP2-35204-2ug

Unit Size: 2ug

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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Recombinant Rat GDNF Protein

Product Information	
Unit Size	2ug
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	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 1 x PBS, pH 7.4.
Target Molecular Weight	29.8 kDa

Product Description	
Description	<p>A homodimeric protein consisting of two 134 amino acid non-glycosylated polypeptide chains corresponding to GDNF Source: <i>E. coli</i></p> <p>Uniprot ID: Q07731</p> <p>Amino Acid Sequence: SPDKQAAALP RRERNRQAAA ASPENSRGKG RRGQRGKNRG CVLTAIHLNV TDLGLGYETK EELIFRYCSG SCEAAETMYD KILKNLSRSR RLTSKVGQA CCRPVAFDDD LSFLDDSLVY HILRKHSAKR CGCI</p>
Gene ID	2668
Gene Symbol	GDNF
Species	Rat
Details of Functionality	GDNF protein is fully biologically active when compared to standard. Measured by its ability to support the survival and stimulate neurite outgrowth of dissociated chick embryonic dorsal root ganglia (DRG) neurons. The ED50 for this effect is typically 1 - 3 ng/mL
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





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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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