

Product Datasheet

Recombinant Rat GDNF Protein NBP2-35204-100ug

Unit Size: 100 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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NBP2-35204-100ug

Recombinant Rat GDNF Protein

| Product Information | |
|-----------------------------|---|
| Unit Size | 100 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 | > 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 | A homodimeric protein consisting of two 134 amino acid non-glycosylated polypeptide chains corresponding to GDNF Source: <i>E. coli</i> Uniprot ID: Q07731 Amino Acid Sequence: SPDKQAAALP RRERNRQAAA ASPENSRGKG RRGQRGKNRG CVLTAIHLNV TDLGLGYETK EELIFRYCSG SCEAAETMYD KILKNLSRSR RLTSKVGQA CCRPVAFDDD LSFLDDSLVY HILRKHSAKR CGCI |
| 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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Products Related to NBP2-35204-100ug

| | |
|-----------------|------------------------------------|
| NBP2-34888-10ug | Recombinant Human 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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