

GDNF, human recombinant

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| Catalogue # | P-103-100 |
| Synonyms: | Glial cell line-derived neurotrophic factor, Astrocyte-derived trophic factor (ATF) |
| Uniprot ID: | P39905 |
| Source: | Human |
| MW: | Mature GDNF, Approximately 15 kDa, a single non-glycosylated polypeptide chain containing 134 amino acids |
| Host: | CHO-based cell line (expressed by QMCF Technology) |
| Purification: | Purified by ion-exchange chromatography and gel-filtration from serum-free CHO growth media. Protein is sterile-filtrated through 0.22 µm filter |
| Concentration: | 0.9 mg/ml |
| Buffer: | PBS pH 7.4 |
| Endotoxine: | Less than 1EU/mg of protein as determined by LAL method |
| QC: | Coomassie-stained SDS-PAGE analysis), cell based assay (cRET-MAPK-nluc pathway) showing functionality |
| Related Products: | Monoclonal antibodies against human GDNF. |
| Shipping: | Shipped on dry ice |
| Storage: | Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles |
| Background: | GDNF is an important member of the GDNF family of ligands. Four members of neurotrophic factors belonging to the GDNF family of ligands : glial cell line-derived neurotrophic factor (GDNF), neurturin (NRTN), artemin (ARTN), and persephin (PSPN). GDNF is important in the promotion of the survival of dopaminergic |

neurons. The recombinant form of this protein promotes the survival and differentiation of dopaminergic neurons in culture, and is able to prevent apoptosis of motor neurons induced by axotomy.

Custom price

Custom quantity - ask quotation

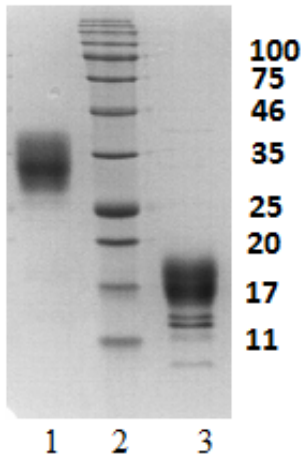


Figure 1. Coomassie-stained SDS-PAGE analysis of human GDNF. Lane 1. 2 µg of GDNF (non-reduced); Lane 2. Protein size marker (Blue Protein Ladder Prestained, Naxo 8003). Lane 3. 2 µg of GDNF (reduced).

c-Ret-MAPK-nluc reporter activation by recombinant hGDNF

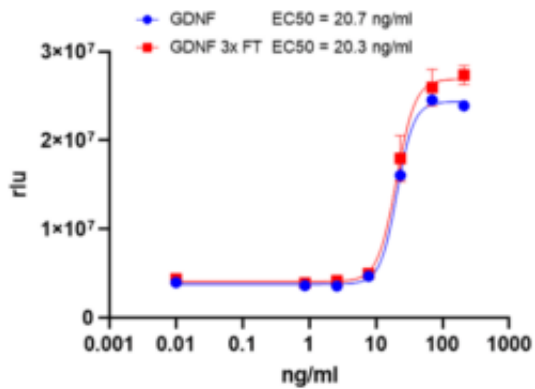


Figure 2. EC₅₀ concentration for final product and after 3 freeze-thaw cycles, determined by cRET-MAPK-nluc pathway in cell based assay.