

Recombinant Human Mature GDNF Protein

Catalog No.: RP01954 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2668	P39905-1

Tags

N-6His

Synonyms

GDNF; Glial cell line-derived neurotrophic factor; hGDNF; Astrocyte-derived trophic factor; ATF

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW **Observed MW**

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

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Background

Glial cell-derived neurotrophic factor (GDNF) is a protein that, in humans, is encoded by the GDNF gene. GDNF is a small protein that potently promotes the survival of many types of neurons. GDNF, that acts via classical neurotrophic mechanism, has been effective in several pre-clinical models of PD and had some efficacy in parkinsonian patients.

Basic Information

Description

Recombinant Human Mature GDNF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg109-Ile211) of Human Mature GDNF (Accession #NP_000505.1) fused with a His tag at the N-terminus.

Bio-Activity

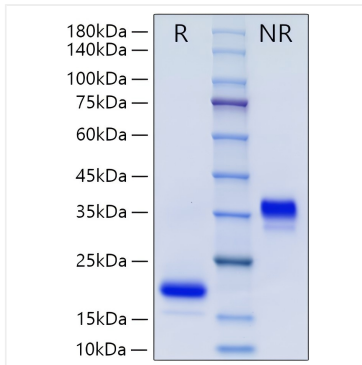
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Mature GDNF Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions., showing single bands at 15-25 kDa and 35-45 kDa. respectively.