

## Recombinant Human GDNF protein, Fc/His-tagged

Cat. No. GDNF-7293H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GDNF(Phe20-Ile211) fused with Fc and His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Phe20-Ile211
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBSpH 7.4
<b>AA Sequence</b>	FPLPAGKRPPEAPAEDRSLGRRRAPFALSSDSNMPEDYDPDQFDDVMDFIQATIKRL KRSPDKQMA VLPRRERNRQAAAANPENSRGKGRRGQRGKNRGCVLTAIHLNVTD LGLGYETKEELIFRYCSGSC DAAETTYDKILKNLSRNRRLVSDKVGGACCRPIAFDD DLSFLDDNLVYHILRKHSACRGCIVDD IEGRMDEPKSCDKTHTCPPCPAPPELLGGP SVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK FNWYVDGVEVHNAKTKPREE QYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKA KGQPREPQVYT LPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGGSF FL YSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHHH
<b>Endotoxin</b>	Less than 0.1 ng/g (1 IEU/g).
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Storage</b>	Lyophilized protein should be stored at < -20 centigrade, though stable at room

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temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.

**Reconstitution**

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Shipping**

The product is shipped at ambient temperature.

## GENE INFORMATION

**Gene Name**

GDNF glial cell derived neurotrophic factor [ Homo sapiens ]

**Official Symbol**

GDNF

**Synonyms**

GDNF; glial cell derived neurotrophic factor; glial cell line-derived neurotrophic factor; astrocyte derived trophic factor; ATF1; ATF2; glial cell line derived neurotrophic factor; glial derived neurotrophic factor; HFB1 GDNF; ATF; astrocyte-derived trophic factor; HSCR3; HFB1-GDNF;

**Gene ID**

2668

**mRNA Refseq**

NM\_000514

**Protein Refseq**

NP\_000505

**MIM**

600837

**UniProt ID**

P39905

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<b>Chromosome Location</b>	5p13.1-p12
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem; Signaling events regulated by Ret tyrosine kinase, organism-specific biosystem;
<b>Function</b>	growth factor activity; protein homodimerization activity; receptor binding;

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