

Recombinant Human GDNF protein, Fc/His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GDNF(Phe20-Ile211) fused with Fc and His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Phe20-Ile211
Form	Lyophilized from a 0.2 µm filtered solution of PBSpH 7.4
AA Sequence	FPLPAGKRPPEAPAEDRSLGRRRAPFALSSDSNMPEDYPDQFDDVMDFIQATIKRL KRSPDKQMA VLPRRERNRQAAAANPENSRGKGRRGQRGKNRGCVLTAIHLNVTD LGLGYETKEELIFRYCSGSC DAAETTYDKILKNLSRNRRLVSDKVGQACCRPIAFDD DLSFLDDNLVYHILRKHSARKCGCIVDD IEGRMDEPKSCDKTHTCPPCPAPELLGGP SVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK FNWYVDGVEVHNAKTKPREE QYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKA KGQPREPQVYT LPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSF FL YSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHHH
Endotoxin	Less than 0.1 ng/g (1 IEU/g).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	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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Chromosome Location	5p13.1-p12
Pathway	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;
Function	growth factor activity; protein homodimerization activity; receptor binding;

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