

Active Recombinant Human GDNF Protein (Ser78-Ile211), C-His tagged, Animal-free, Carrier-free

Cat. No. GDNF-120H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDNF Protein (Ser78-Ile211) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser78-Ile211
Description	Glial cell line-derived neurotrophic factor (GDNF) is the neurotrophic factor, belonging to the GDNF family of ligands (GFL) and identifying as a therapeutic candidate in Parkinson's disease. GDNF is a 23.7 kDa protein containing 211 residues that plays a critical role in promoting the survival and differentiation of midbrain dopamine neurons. Besides, GDNF is revealed to facilitate the development of peripheral tissues such as kidney, pancreas and lung. Additionally, as a member of GFL, GDNF also takes part in the progression of tumor.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is < 10 ng/mL.
Molecular Mass	The protein has a calculated MW of 16.01 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	GDNF glial cell derived neurotrophic factor [Homo sapiens (human)]
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

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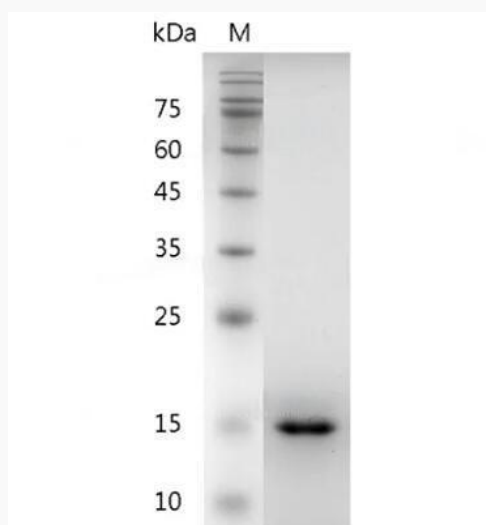
mRNA Refseq [NM_000514](#)

Protein Refseq [NP_000505](#)

MIM [600837](#)

UniProt ID [P39905](#)

**SDS-PAGE analysis
of recombinant
human GDNF.**



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