

Recombinant Mouse GDNF Protein

Cat. No. GDNF-109M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GDNF Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Glial cell-derived neurotrophic factor (GDNF) is a neurotrophic factor that signals through a multicomponent receptor system to activate receptor tyrosine kinase RET signaling. GDNF promotes dopamine uptake, prevents motor neuron apoptosis, and supports the survival and differentiation of neurons.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Dimer, 15.1/30.2 kDa (135/270 aa)
AA Sequence	MSPDKQAALPRRENRRNQAAAASPENSRGKGRRGQRGKNRGCVLTAIHLNVTDLG LGYETKEELIFRYCSGSCESAETMYDKILKNLSRSLRTSDKVGQACCRPVAFDDDL SFLDDNLVYHILRKHSKRKCGCI
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed.

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	3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	Gdnf glial cell line derived neurotrophic factor [Mus musculus (house mouse)]
Official Symbol	GNDF
Synonyms	GNDF; glial cell line derived neurotrophic factor; glial cell line-derived neurotrophic factor; ATF; mGNDF; neurotrophic factor; astrocyte-derived trophic factor; A1385739;
Gene ID	14573
mRNA Refseq	NM_010275
Protein Refseq	NP_034405

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UniProt ID

P48540

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