

Recombinant Rat Glial Cell Derived Neurotrophic Factor

Cat. No. Gdnf-359R **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Rat
Source	Sf21 Cells
Description	Glial cell derived neurotrophic factor, also known as GDNF is a glycosylated, disulfide-bonded homodimer that is a distantly related member of the transforming growth factor-beta superfamily. GDNF potently promotes the survival of many types of neurons, most prominently, dopaminergic and motoneurons. GDNF regulates kidney development and spermatogenesis, and it affects alcohol consumption.
Amino Acid Sequence	Ser78-Ile211.
Molecular Weight	The predicted molecular weight of Recombinant Rat GDNF is Mr 15 kDa.
State Of Matter	Lyophilized.
Formulation	0.2 µm filtered and lyophilized from a solution of Acetonitrile and TFA.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

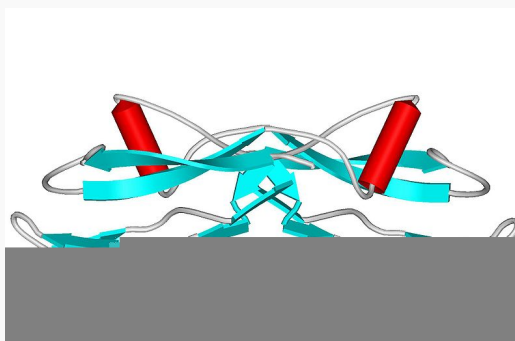
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20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Gdnf glial cell derived neurotrophic factor [<i>Rattus norvegicus</i>]
Synonyms	Gdnf; glial cell derived neurotrophic factor; Glial cell line derived neurotrophic factor
Gene ID	25453
mRNA Refseq	NM_019139
Protein Refseq	NP_062012
UniProt ID	Q07731
Chromosome Location	q16
Function	glial cell line-derived neurotrophic factor receptor binding; growth factor activity; protein homodimerization activity

GDNF structure.



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