

## Recombinant Rat Glial Cell Derived Neurotrophic Factor

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

### SPECIFICATION

<b>Species</b>	Rat
<b>Source</b>	Sf21 Cells
<b>Description</b>	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.
<b>Amino Acid Sequence</b>	Ser78-Ile211.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Rat GDNF is Mr 15 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Formulation</b>	0.2 µm filtered and lyophilized from a solution of Acetonitrile and TFA.
<b>Purity</b>	>97% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C

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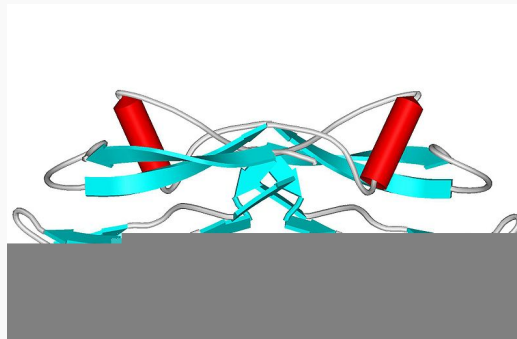
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for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

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

**GNDF structure.**



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