

Recombinant Rat Glial Cell-derived Neurotrophic Factor



Catalog No: #AP60259

Orders: order@signalwayantibody.com

Package Size: #AP60259-1 10ug #AP60259-2 100ug #AP60259-3 500ug

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Rat Glial Cell-derived Neurotrophic Factor
Host Species	Escherichia coli.
Purification	> 98 % by SDS-PAGE and HPLC analyses.
Other Names	ATF
Uniprot	Q07731
GeneID	25453
Calculated MW	Approximately 29.8 kDa, a homodimeric protein consisting of two 134 amino acid non-glycosylated polypeptide chains.
Target Sequence	SPDKQAAALP RRERNRQAAA ASPENSRGKG RRGQRGKNRG CVLTAIHLNV TDLGLGYETK EELIFRYCSG SCEAAETMYD KILKNLSRSR RLTSKVGQA CCRPVAFDDD LSFLLDLSLVY HILRKHSKR CGCI
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 1 x PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Glial cell-derived neurotrophic factor is a founding member of the GDNF family of ligands (GFL) and has been shown to interact with GFRA2 and GDNF family receptor alpha 1. It is a small protein that potently promotes the survival and morphological differentiation of various neuronal. It may also modulate local neuronal effects in distal regions of the motor neuron. GDNF Recombinant rat GDNF (monomer) contains 135 amino acids residues, which is a disulfide-linked homodimer and it shares 99 % and 93 % a.a. sequence identity with mouse and human GDNF.

Note: This product is for in vitro research use only