

## ARG70458 Mouse GDNF recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg  
Store at: -20°C

### Summary

Product Description	E. coli expressed, His-tagged (C-ter) Mouse GDNF recombinant protein
Tested Application	SDS-PAGE
Target Name	GDNF
Species	Mouse
A.A. Sequence	Ser78 - Ile211
Expression System	E. coli
Alternate Names	GDNF; Glial Cell Derived Neurotrophic Factor; Astrocyte-Derived Trophic Factor; HFB1-GDNF; ATF1; ATF2

### Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

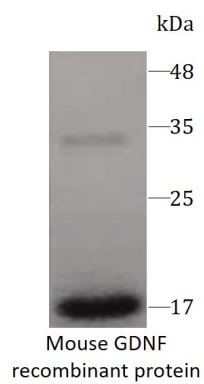
### Bioinformation

Gene Symbol	GDNF
Gene Full Name	Glial Cell Derived Neurotrophic Factor
Background	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The recombinant form of this protein, a highly conserved neurotrophic factor, was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. This protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. Mutations in this gene may be associated with Hirschsprung disease and Tourette syndrome. This gene encodes multiple protein isoforms that may undergo similar proteolytic processing.
Function	Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake.

PTM	Cleavage on pair of basic residues, Disulfide bond, Glycoprotein
Cellular Localization	Secreted

## Images

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ARG70458 Mouse GDNF recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70458 Mouse GDNF recombinant protein (His-tagged, C-ter)

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