

## ARG70143 Human GDNF recombinant protein (Active) (His-tagged, C-ter)

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

### Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human GDNF recombinant protein
Tested Application	SDS-PAGE
Target Name	GDNF
Species	Human
A.A. Sequence	Ser78 - Ile211
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is < 10 ng/mL.
Alternate Names	ATF; Astrocyte-derived trophic factor; HSCR3; hGDNF; Glial cell line-derived neurotrophic factor; HFB1-GDNF; ATF1; ATF2

### Properties

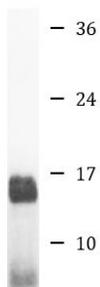
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	20 mM sodium citrate and 0.2 M NaCl (pH 3.5)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration 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 highly conserved neurotrophic factor. The recombinant form of this protein 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. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. Multiple transcript variants encoding different isoforms have been found for this gene. Mutations in this gene may be associated with Hirschsprung disease. [provided by RefSeq, Jun 2010]
Function	Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. [UniProt]

## Images

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Human GDNF  
recombinant protein

ARG70143 Human GDNF recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70143 Human GDNF recombinant protein (Active) (His-tagged, C-ter).