Recombinant Human GDNFR-alpha-1/GFRA1 Protein

Catalog No.: RP00102

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Sequence Information

Species	Gene ID
Human	2674
Swiss Prot	**Tags**
P56159	C-hFc&His

Synonyms
GFRA1,GDNFR,GDNFRA,GFR-ALPHA-1,RET1L,RETL1,TRNR1

Product Information

Source	Purification
HEK293 cells	≥ 85% as determined by SDS-PAGE.
Calculated MW	**Observed MW**
72.54 kDa	100 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is a member of the glial cell line-derived neurotrophic factor receptor (GDNFR) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature receptor. Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. This receptor is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Basic Information

Description
Recombinant Human GDNFR-alpha-1/GFRA1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala19-Lys429) of human GFRA1/GFRα1/GDNFRA (Accession #NP_665736) fused with an Fc, 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

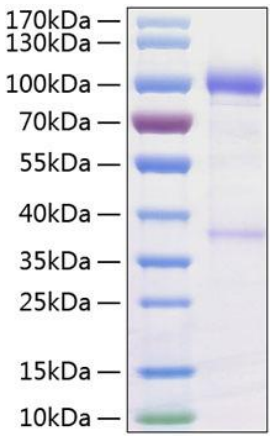
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human GDNFR-alpha-1/GFRA1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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