

Recombinant Human GDNFR- α -2/GFRA2 Protein

Catalog No.: RP00199

Sequence Information

Species **Gene ID**
Human 2675

Swiss Prot **Tags**
O00451 C-His

Synonyms

GFRA2,GDNFRB,NRTNR-ALPHA,
NTNRA,RETL2,TRNR2

Product Information

Source **Purification**
HEK293 cells $\geq 95\%$ as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
47.59 kDa 70-75 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μ m 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 stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

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. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This encoded protein acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1. This gene is a candidate gene for RET-associated diseases.

Basic Information

Description

Recombinant Human GDNFR- α -2/GFRA2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ser22-Ser441) of human GFRA2/GFR α 2/GDNFRB (Accession #NP_001486.4) fused with a 6 $\times$ His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant Human Neurturin at 5 μ g/mL (100 μ L/well) can bind recombinant Human GFRA2, the EC₅₀ of Human GFRA2 is 1.82 μ g/mL.

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°C

Operational Notes

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

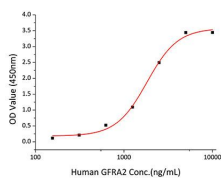
Contact

☎ | 400-999-6126

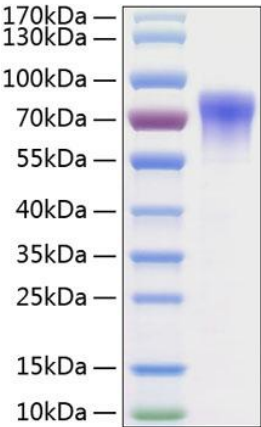
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Validation Data



Immobilized recombinant Human Neurturin at 5μg/mL (100μL/well) can bind recombinant Human GFRA2,the EC₅₀ of Human GFRA2 is 1.82μg/mL.



Recombinant Human GDNFR-alpha-2/GFRA2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.