

For Research Use Only

Recombinant Human GFRA2 protein (rFc Tag)



Catalog Number: Eg4064

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human GFRA2 protein Ser22-Ser444 (Accession# O00451-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

2675

Accession:

O00451-1

Predicted Molecular Mass:

73.3 kDa

SDS-PAGE:

80-100 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

GFRA2, also named as GDNFRB, RETL2 and TRNR2, belongs to the GDNFR family. It is a receptor for neurturin. GFRA2 mediates the NRTN-induced autophosphorylation and activation of the RET receptor. It is a potent survival factor for central dopaminergic neurons, motor neurons, and several other populations of neurons in the central and peripheral nervous systems. The GDNF signal is mediated by a complex of the receptor tyrosine kinase RET and a glycosylphosphatidylinositol (GPI)-linked protein, GDNFRA.

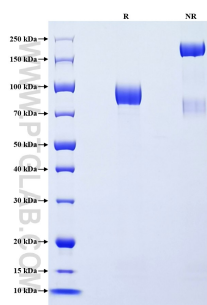
References

- 1.Sandmark J. et al. (2018) J Biol Chem. 293(15):5492-5508.
- 2.Hashino E. et al. (2001) Development. 128(19):3773-82.
- 3.Bennett DL. et al. (2000) J Neurosci. 20(1):427-37.

Synonyms

GDNF family receptor alpha 2, GDNF family receptor alpha-2, GDNF receptor alpha 2, GDNF receptor alpha-2, GDNF receptor beta

Selected Validation Data



Purity of Recombinant Human GFRA2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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