

Recombinant Human GFRRA2 Protein ((Fc & His Tag)

Catalog No. PKSH032482

Note: Centrifuge before opening to ensure complete recovery of vial contents.

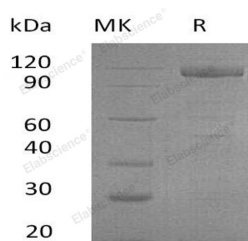
Description

Synonyms	GDNF Family Receptor Alpha-2;GDNF Receptor Alpha-2;GDNFR-Alpha-2;GFR-Alpha-2;GDNF Receptor Beta;GDNFR-Beta;Neurturin Receptor Alpha;NRTNR-Alpha;NTNR-Alpha;RET Ligand 2;TGF-Beta-Related Neurotrophic Factor Receptor 2;GFRA2;GDNFRB;RETL2;TRNR2
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser22-Ser441
Accession	O00451
Calculated Molecular Weight	74.7 kDa
Observed molecular weight	120 kDa
Tag	C-Fc-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

For Research Use Only

Background

GDNF family receptor alpha-2 is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor. It is part of the GDNF receptor family. 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. GFRA2 mediates the NRTN-induced autophosphorylation and activation of the RET receptor. It also able to mediate GDNF signaling through the RET tyrosine kinase receptor. It acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1.

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