

For Research Use Only

Recombinant Human GFRA2 protein (rFc Tag)



Catalog Number: Eg4064

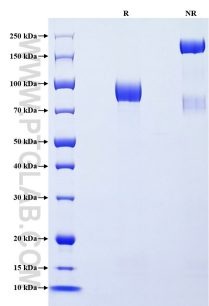
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human GFRA2 protein Ser22-Ser444 (Accession# O00451-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 2675 Accession: O00451-1 Predicted Molecular Mass: 73.3 kDa SDS-PAGE: 80-100 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm 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		

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

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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.