

Recombinant Human GFRA1 Protein, C-Fc-tagged

Cat. No. GFRA1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDNF Receptor alpha 1 is produced by our Mammalian expression system and the target gene encoding Asp25-Lys429 is expressed with a Fc tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Asp25-Lys429
Description	This gene encodes 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.
Molecular Mass	Predicted Molecular: 72.3 kDa AP Molecular Weight: 85 kDa, reducing conditions.
Endotoxin	Less than 0.1

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	ng/μg (1 EU/μg) as determined by LAL test.
Quality Control Test	Greater than 95% as determined by reducing SDS-PAGE.
Notes	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage Buffer	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	GFRA1 GDNF family receptor alpha 1 [Homo sapiens (human)]
Official Symbol	GFRA1
Synonyms	GFRA1; GDNF family receptor alpha 1; GDNFR; RET1L; RETL1; RHDA4; TRNR1; GDNFRA; GFRalpha-1; GFR-ALPHA-1; GDNFR-alpha-1; GDNF family receptor alpha-1; GDNF receptor alpha 1d; GDNF receptor alpha 1e; GPI-linked anchor protein; Glial cell line-derived neurotrophic factor receptor alpha; PI-linked cell-surface accessory protein; RET ligand 1; TGF-beta-related neurotrophic factor receptor 1

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Gene ID	2674
mRNA Refseq	NM_145793
Protein Refseq	NP_665736
MIM	601496
UniProt ID	P56159
SDS-PAGE	

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