

Recombinant Human GFRA1 protein, His-tagged

Cat. No. GFRA1-1854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GFRA1 aa. (Leu239~Gln350 (Accession # P56159)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu239~Gln350
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.
Form	Freeze-dried powder
Molecular Mass	14kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.5

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; TRNR1; GDNFRA; GFR-ALPHA-1; GDNF family receptor alpha-1; GDNFR-alpha-1; 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
Gene ID	2674

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mRNA Refseq	NM_001145453.2
Protein Refseq	NP_001138925.1
UniProt ID	P56159

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