

Recombinant Full Length Human GFRA1 Protein, GST-tagged

Cat. No. GFRA1-5439HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GFRA1 full-length ORF (NP_665736.1, 1 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	460 amino acids
Description	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. The protein encoded by this gene is a member of the GDNF receptor family. It 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. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq]
Molecular Mass	77.2 kDa
AA Sequence	MFLATLYFALPLDLLLSAEVSGGDRLCDVKASDQCLKEQSCSTKYRTLRLQCVAGKE TNFSLASGLEAKDECRSAMEALKQKSLYNCRCKRGMKKEKNCLRIYWSMYQSLQG NDLLEDSPYEPVNSRLSDIFRVVPFISVEHIPKGNNCLDAAKACNLDDICKKYRSAYIT PCTTSVSNDVCNRRKCHKALRQFFDKVPAKHSYGMLFCSCRDIACTERRRRQTIVPV CSYEEREKPNCLNLQDSCKTNYICRSRLADFFTNCQPESRSVSSCLKENYADCLLAY SGLIGTVMTPNYIDSSSLSVAPWCDCSNSGNDLEECLKFLNFFKDNTCLKNAIQAFG

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NGSDVTWQPAFPVQTTTATTTALRVKNKPLGPAGSENEIPTHVLPPCANLQAQKL
KSNVSGNTHLCISNGNYEKEGLGASSHITTKSMAAPPSCGLSPLLVLVVTALSTLLSL
TETS

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GFRA1 GDNF family receptor alpha 1 [Homo sapiens]

Official Symbol

GFRA1

Synonyms

GFRA1; GDNF family receptor alpha 1; GDNFRA; GDNF family receptor alpha-1; GDNFR; GFR ALPHA 1; RET1L; RETL1; TRNR1; RET ligand 1; GDNFR-alpha-1; GDNF receptor alpha-1; GPI-linked anchor protein; PI-linked cell-surface accessory protein; TGF-beta related neurotrophic factor receptor 1; TGF-beta-related neurotrophic factor receptor 1; Glial cell line-derived neurotrophic factor receptor alpha; GFR-ALPHA-1; FLJ10561; FLJ31546; MGC23045; DKFZp313E1012; DKFZp686J0156;

Gene ID

2674

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mRNA Refseq	NM_001145453
Protein Refseq	NP_001138925
MIM	601496
UniProt ID	P56159

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