

# Recombinant Full Length Human GFRA1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human GFRA1 full-length ORF ( NP_665736.1, 1 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	460 amino acids
<b>Description</b>	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 transcripts have been described for this gene. [provided by RefSeq]
<b>Molecular Mass</b>	77.2 kDa
<b>AA Sequence</b>	MFLATLYFALPLLDLLLSAEVSGGDRLCDVKASDQCLKEQSCSTKYRTLRLRQCIVAGKE TNFSLASGLEAKDECRSAMEALKQKSLYNCRCRGMKKEKNCLRIYWSMYQSLQG NDLLEDSPYEPVNSRLSDIFRVVPFISVEHIPKGNCLDAKACNLDDICKKYRSAYIT PCTTSVSNVDCNRRKCHKALRQFFDKVPAKHSYGMLFCSCRDIACRERRRQTIVPV CSYEEREKPNCLNLQDSCKTNYICRSRLADFFFTNCQPESRSVSSCLKENYADCLLAY SGLIGTVMTPNYIDSSSLVAPWCDCSNSGNDLEECLKFLNFFKDNTCLKNAIQAFG

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



mRNA Refseq	NM_001145453
Protein Refseq	NP_001138925
MIM	601496
UniProt ID	P56159

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA