

Recombinant Human GFRA2 Protein, His-tagged

Cat. No. GFRA2-266H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GFRA2 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	464
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 encoded protein acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1. This gene is a candidate gene for RET-associated diseases. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized
Molecular Mass	47.6 kDa
AA Sequence	MILANVFCLFFFLDETLRSLASPSSLQGPELHGWRPPVDCVRANELCAAESNCSSRY RTLRQCLAGRDRNTMLANKECQAALVQLQESPLYDCRCKRGMKKELQCLQIYWSIH LGLTEGEEFYEASPYEPVTSRLSDIFRLASIFSGTGADPVVSAKSNHCLDAAKACNLN

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DNCKKLRSSYISICNREISPTERCNRRKCHKALRQFFDRVPSEYTYRMLFCSCQDQA
 CAERRRQTILPSCSYEDKEKPNCLDLRGVCRTDHLCSRSLADFHANCRAZYQTVTS
 CPADNYQACLGSYAGMIGFDMTPNYVDSSPTGIVVSPWCSCRGSGNMEEEECEKFL
 RDFTENPCLRNAIQAFNGTDDVNVSPKGPSFQATQAPRVEKTPSLPDDLSDSTSLG
 TSVITTCTSVQEQLKANNSKELSMCFTELTTNIIPGSNKVIKPNSGPSRARPSAALT
 VLSVLMLKLAL

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).
 After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18
 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted
 stock further in other aqueous solutions if needed. Please review COA for lot-specific
 instructions. Final measurements should be determined by the end-user for optimal
 performance.

GENE INFORMATION

Gene Name GFRA2 GDNF family receptor alpha 2 [Homo sapiens (human)]

Official Symbol GFRA2

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Synonyms	GFRA2; GDNF family receptor alpha 2; GDNF family receptor alpha-2; GDNFRB; NTNRA; RETL2; TRNR2; GDNFR-beta; NTN- α ; GFR- α 2; RET ligand 2; GDNFR- α -2; GDNF receptor beta; neurturin receptor alpha; TRN receptor, GPI-anchored; PI-linked cell-surface accessory protein; TGF- β -related neurotrophic factor receptor 2; glial cell line derived neurotrophic factor receptor, beta; NRTNR-ALPHA;
Gene ID	2675
mRNA Refseq	NM_001165038
Protein Refseq	NP_001158510
MIM	601956
UniProt ID	O00451

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