

# Recombinant Human GDNF family receptor alpha 3, His-tagged

**Cat. No.** GFRA3-315H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GFRA3, 32-374aa, Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 32-374 a.a.                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | GFRA3 is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor and a member of the GDNF receptor family. It forms a signaling receptor complex with RET tyrosine kinase receptor and binds the ligand, artemin. Recombinant human GFRA3 protein, fused to His-tag at N-terminus, was expressed in E.coli.                                                                                               |
| <b>Form</b>             | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 40.7 kDa (366aa)                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSDPLPTES RLMNSCLQAR RKCQADPTCS<br>AAYHHLDST SSISTPLPSE EPSVPADCLE AAQQLRNSSL IGCMCHRRMK<br>NQVACLDIYW TVHRARSLGN YELDVSPYED TVTSKPWKMN LSKLNMLKPD<br>SDLCLKFAML CTLNDKCDRL RKAYGEACSG PHCQRHVCLR QLLTFFEKAA<br>EPHAQGLLLC PCAPNDRGCG ERRRNTIAPN CALPPVAPNC LELRRLCFSD<br>PLCRSRLVDF QTHCHPMDIL GTCATEQSRC LRAYLGLIGT AMTPNFVSNV<br>NTSVALSCTC RGSGNLQEEC EMLEGFFSHN PCLTEAIAAK MRFHSQFLFSQ |

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|                            |                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | DWPHPTFAVM AHQEN                                                                                                                                                                                                 |
| <b>Purity</b>              | >85% by SDS - PAGE                                                                                                                                                                                               |
| <b>Storage</b>             | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.                                                               |
| <b>Concentration</b>       | 1mg/ml (determined by Bradford assay)                                                                                                                                                                            |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                  |
| <b>Gene Name</b>           | GFRA3 GDNF family receptor alpha 3 [ Homo sapiens ]                                                                                                                                                              |
| <b>Official Symbol</b>     | GFRA3                                                                                                                                                                                                            |
| <b>Synonyms</b>            | GFRA3; GDNF family receptor alpha 3; GDNF family receptor alpha-3; GFRa 3; GFR-alpha-3; GDNFR-alpha-3; GPI-linked receptor; GDNF receptor alpha-3; glial cell line-derived neurotrophic factor receptor alpha-3; |
| <b>Gene ID</b>             | 2676                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_001496                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_001487                                                                                                                                                                                                        |
| <b>MIM</b>                 | 605710                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | O60609                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 5q31.1-q31.3                                                                                                                                                                                                     |

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**Function**

axon guidance receptor activity; receptor activity; receptor binding;

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