

# Recombinant human GDNFR alpha-3/GFRA3 protein

Catalog Number: ATGP2398

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

32-374aa

### UniProt No.

O60609

### NCBI Accession No.

NP\_001487

### Alternative Names

GDNF family receptor alpha-3, GFRA3, GDNFR3, GFRalpha3

## PRODUCT SPECIFICATION

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### Molecular Weight

40.7 kDa (366aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSDPLPTES RLMNSCLQAR RKCQADPTCS AAYHHLDSC TSSISTPLPSE EPSVPADCLE AAQQLRNSSL IGCMCHRRMK NQVACLDIYW TVHRARSLGN YELDVSPYED TVTSKPWKMN LSKLNMLKPD SDLCLKFAML

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CTLNDKCDRL RKAYGEACSG PHCQRHVCLR QLLTFFEKAA EPHAQGLLLC PCAPNDRGCG ERRRNTIAPN CALPPVAPNC  
LELRRLCFSD PLCRSRLVDF QTHCHPMDIL GTCATEQSRC LRAYLGLIGT AMTPNFVSNV NTSVALSCTC RGSGNLQEEC  
EMLEGFFSHN PCLTEAIAAK MRFHSQLFSQ DWPHTFAVM AHQEN

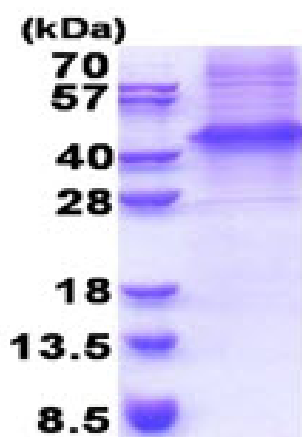
## General References

Baloh R.H., et al. (1998) Neuron. 21:1291-1302

Wang X., et al. (2008) Structure. 14:1083-1092

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)