

GFRA1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21582b

Specification

GFRA1 Blocking Peptide (C-term) - Product Information

Primary Accession

[P56159](#)**GFRA1 Blocking Peptide (C-term) - Additional Information**

Gene ID 2674

Other Names

GDNF family receptor alpha-1, GDNF receptor alpha-1, GDNFR-alpha-1, GFR-alpha-1, RET ligand 1, TGF-beta-related neurotrophic factor receptor 1, GFRA1, GDNFRA, RETL1, TRNR1

Target/Specificity

The synthetic peptide sequence is selected from aa 381-395 of HUMAN GFRA1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GFRA1 Blocking Peptide (C-term) - Protein Information

Name GFRA1

Synonyms GDNFRA, RETL1, TRNR1

Function

Coreceptor for GDNF, a neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake (PubMed:10829012, PubMed:31535977). GDNF-binding leads to autophosphorylation and activation of the RET receptor (PubMed:31535977).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q62997}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q62997}. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q62997}. Endosome {ECO:0000250|UniProtKB:Q62997}. Endosome, multivesicular body {ECO:0000250|UniProtKB:Q62997}. Note=Localizes mainly to the plasma

membrane. In the presence of SORL1, shifts to vesicular structures, including trans-Golgi network, endosomes and multivesicular bodies {ECO:0000250|UniProtKB:Q62997}

GFRA1 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GFRA1 Blocking Peptide (C-term) - Images

GFRA1 Blocking Peptide (C-term) - Background

Receptor for GDNF. Mediates the GDNF-induced autophosphorylation and activation of the RET receptor (By similarity).

GFRA1 Blocking Peptide (C-term) - References

Jing S.,et al.Cell 85:1113-1124(1996).
Sanicola M.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:6238-6243(1997).
Angrist M.,et al.Genomics 48:354-362(1998).
Shefelbine S.E.,et al.Hum. Genet. 102:474-478(1998).
Hishiki T.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.