9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GFRA1 Human

GDNF Family Receptor Alpha 1 Human Recombinant
NTR0026

Product Overview

Name	GFRA1 Human
Description	
GDNF Family Receptor Alpha 1 Human Recombinant	
Accession (Primary)	P56159
Synonyms	
GDNF receptor alpha-1, GDNFR-alpha-1, GFRalpha-1, RET ligand 1, TGF-beta-related neurotrophic factor receptor 1, GDNFRA1, RET1L2, RETL1, Glial Cell LineDerived Neurotrophic Factor Receptor Alpha, TRNR1, GPILinked Anchor Protein, PI-Linked Cell-Surface.	
Introduction	
GDNF family receptor alpha-1 (GFRA1) belongs to the GDNF receptor family. GFRA1 is a glycosyl-phosphatidylinositol(GPI)-linked cell surface receptor for both Glial cell line-derived growth factor (GDNF), neurturin (NTN), and mediates activation of the RET tyrosine kinase receptor. The GFRA1 protein is a potent survival factor for central and peripheral neurons, and is vital for the development of kidneys and the enteric nervous system.	
Source	
HEK293 cells.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
GFRA1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in phosphate buffered saline pH 7.5 containing 5 % (w/v) trehalose.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
DRLDCVKASD QCLKEQSCST KYRTLRQCVA GKETNFSLAS GLEAKDECRS AMEALKQKSL YNCRCKRGMK	

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KEKNCLRIYW SMYQSLQGND LLEDSPYEPV NSRLSDIFRV VPFISVEHIP KGNNCLDAAK ACNLDDICKK YRSAYITPCT TSVSNDVCNR RKCHKALRQF FDKVPAKHSY GMLFCSCRDI ACTERRRQTI VPVCSYEERE KPNCLNLQDS CKTNYICRSR LADFFTNCQP ESRSVSSCLK ENYADCLLAY SGLIGTVMTP NYIDSSSLSV APWCDCSNSG NDLEECLKFL NFFKDNTCLK NAIQAFGNGS DVTVWQPAFP VQTTTATTTT ALRVKNKPLG PAGSENEIPT HVLPPCANLQ AQKLKSNVSG NTHLCISNGN YEKEGLGAS H HHHHHHHHH .

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. GFRA1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

GFRA1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P56159)