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

GFRA1 Rat

GDNF Family Receptor Alpha 1 Rat Recombinant
NTR0027

Product Overview

Name	GFRA1 Rat
Description	
GDNF Family Receptor Alpha 1 Rat Recombinant	
Accession (Primary)	Q62997
Synonyms	
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.	
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	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
GFRA1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
DRLDCVKASD QCLKEQSCST KYRTLRQCVA GKETNFSLTS GLEAKDECRS AMEALKQKSL YNCRCKRGMK KEKNCLRIYW SMYQSLQGND LLEDSPYEPV NSRLSDIFRA VPFISDVFQQ VEHISKGNNC LDAAKACNLD DTCKKYRSAY ITPCTTSMSN EVCNRRKCHK ALRQFFDKVP AKHSYGMLFC SCRDIACTER RRQTIVPVCS YEERERPNCL SLQDSCKTNY ICRSRLADFF TNCQPESRSV SNCLKENYAD CLLAYSGLIG TVMTPNYVDS	

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SSLSVAPWCD CSNSGNDLED CLKFLNFFKD NTCLKNAIQA FGNGSDVTMW QPAPPVQTTT ATTTTAFRVK NKPLGPAGSE NEIPTHVLPP CANLQAQKLK SNVSGSTHLC LSDSDFGKDG LAGASS LEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTPPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH .

Precautions

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

Target Information: (Q62997)