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Datasheet for ABIN7520038

GFRA1 Protein (Fc Tag,His tag)

Overview

Quantity:	50 µg
Target:	GFRA1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GFRA1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human GDNFR-alpha-1/GFRA1 Protein
Sequence:	AEVSGGDRLD CVKASDQCLK EQSCSTKYRT LRQCVAGKET NFSLASGLEA KDECRSAMEA LKQKSLYNCR CKRGMKKEKN CLRIYWSMYQ SLQGNDLLED SPYEPVNSRL SDIFRVVPFI SVEHIPKGNN CLDAAKACNL DDICKKYRSA YITPCTTSVS NDVCNRRKCH KALRQFFDKV PAKHSYGMLF CSCRDIACTE RRRQTIVPVC SYEEREKPNC LNLQDSCKTN YICRSRLADF FTNCQPESRS VSSCLKENYA DCLLAYSLGI GTVMTPNYID SSSLSVAPWC DCSNSGNDLE ECLKFLNFFK DNTCLKNAIQ AFGNGSDVTW WQPAFPVQTT TATTTTALRV KNKPLGPAGS ENEIPTHVLP PCANLQAQKL KSNVSGNTHL CISNGNYEKE GLGASSHITT K
Specificity:	Ala19-Lys429
Purity:	> 80 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.

Product Details

Biological Activity Comment: Measured by its binding ability in a functional ELISA. Immobilized Human GDNF at 1 µg/mL (100 µL/well) can bind Human GFRA1 with a linear range of 2-332 ng/mL.

Target Details

Target:	GFRA1
Alternative Name:	GDNFR-alpha-1/GFRA1 (GFRA1 Products)
Background:	<p>Description: This protein is a member of the glial cell line-derived neurotrophic factor receptor (GDNFR) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature receptor. Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. This receptor is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.</p> <p>Name: GFRA1,GDNFR,GDNFRA,GFR-ALPHA-1,RET1L,RETL1,TRNR1</p>
Gene ID:	2674
UniProt:	P56159

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1</p>

week.