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Datasheet for ABIN7520039 GFRA2 Protein (His tag)

Overview

Quantity:	10 µg
Target:	GFRA2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GFRA2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human GDNFR-alpha-2/GFRA2 Protein
Sequence:	SPSSLQGPEL HGWRPPVDCV RANELCAES NCSSRYRTL R QCLAGRDRNT MLANKECQAA LEVLQESPLY DCRCKRGMKK ELQCLQIYWS IHLGLTEGEE FYEASPYEPV TSRLSDIFRL ASIFSGTGAD PVVSAKSNHC LDKAKACNLN DNCKKLRSSY ISICNREISP TERCNRRKCH KALRQFFDRV PSEYTYRMLF CSCQDQACAE RRRQTILPSC SYEDKEKPNC LDLRGVCRTD HLCRSRLADF HANCRASYQT VTSCPADNYQ ACLGSYAGMI GFDMPNYVD SSPTGIVVSP WCSCRGSGNM EEECEKFLRD FTENPCLRNA IQAFNGTNDV NVSPKGPSFQ ATQAPRVEKT PSLPDDLSDS TSLGTSVITT CTSVQEQGLK ANNSKELSMC FTELTTNIIP GSNKVIKPNs
Specificity:	Ser22-Ser441
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Product Details

Biological Activity Comment: Measured by its binding ability in a functional ELISA. Immobilized recombinant Human Neurturin at 5 µg/mL (100 µL/well) can bind recombinant Human GFRA2, the EC₅₀ of Human GFRA2 is 1.82 µg/mL.

Target Details

Target:	GFRA2
Alternative Name:	GDNFR-alpha-2/GFRA2 (GFRA2 Products)
Background:	<p>Description: 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. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This encoded protein acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1. This gene is a candidate gene for RET-associated diseases.</p> <p>Name: GFRA2,GDNFRB,NRTNR-ALPHA,NTNRA,RETL2,TRNR2</p>
Gene ID:	2675
UniProt:	O00451

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 week.</p>