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Datasheet for ABIN7318527 GFRA1 Protein (Fc Tag)

Overview

Quantity:	50 µg
Target:	GFRA1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFRA1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GFRA1/GDNFRA Protein (Fc Tag)
Sequence:	Asp25-Lys429
Characteristics:	Recombinant Human Glial Cell line-derived Neurotrophic Factor Receptor alpha 1 is produced by our Mammalian expression system and the target gene encoding Asp25-Lys429 is expressed with a Fc tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GFRA1
Alternative Name:	GFRA1/GDNFRA (GFRA1 Products)
Background:	Background: Glial Cell Line-Derived Neurotrophic Factor Family Receptor α -1 (GDNFR α 1) is a glycosylphosphatidylinositol (GPI) linked cell surface protein belonging to GDNF-family receptor

Target Details

α subtype which consists of at least four members. GFR α 1 and GFR α 2 are the cognate co-receptor for the neurotrophic factor neurturin mediating the NRTN-induced autophosphorylation and activation of the RET tyrosine kinase receptor. Soluble GFR α s released enzymatically from the cell surface by phosphatidylinositol phospholipase C, as well as recombinantly produced soluble GFR α 1, can also bind with high affinity to GDNF and trigger the activation of Ret tyrosine kinase. Human GFR α 1 shares 93 % amino acid identity with mouse GFR α 1. The expression of the various GFR α s are differentially regulated in the central and peripheral nervous system, suggesting complementary roles for the GFR α s in mediating the activities of the GDNF family of neurotrophic factors.

Synonym: 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

Molecular Weight:	72.3 kDa
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UniProt:	P56159
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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