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32-9701: Recombinant Human GDNF Family Receptor alpha-1/GFRA1 (C-Fc)

Alternative Name : 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

Description

Source : Human Cells;
Glial Cell Line-Derived Neurotrophic Factor Family Receptor -Alpha-1 (GDNFR-Alpha1) is a glycosylphosphatidylinositol (GPI) linked cell surface protein belonging to GDNF-family receptor -Alpha subtype which consists of at least four members. GFR-Alpha1and GFR-Alpha2 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-Alphas released enzymatically from the cell surface by phosphatidylinositol phospholipase C, as well as recombinantly produced soluble GFR-Alpha1, can also bind with high affinity to GDNF and trigger the activation of Ret tyrosine kinase. Human GFR-Alpha1 shares 93% amino acid identity with mouse GFR-Alpha1.The expression of the various GFR-Alphas are differentially regulated in the central and peripheral nervous system, suggesting complementary roles for the GFR-Alphas in mediating the activities of the GDNF family of neurotrophic factors.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Amino Acid : Recombinant Human GDNF 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.