

32-7425: Recombinant Human GDNF Family Receptor α -1/GFRA1 (C-6His)

Gene : GFRA1
Gene ID : 2674
Uniprot ID : P56159

Description

Source: Human Cells.
MW :46.28kD.

Recombinant Human GDNF Family Receptor α -1 is produced by our Mammalian expression system and the target gene encoding Asp25-Lys429 is expressed with a 6His tag at the C-terminus. Glial Cell Line-Derived Neurotrophic Factor Family Receptor α -1 (GDNFRa1) is a glycosylphosphatidylinositol (GPI) linked cell surface protein belonging to GDNF-family receptor α subtype which consists of at least four members. GFRa1 and GFRa2 are the cognate co-receptor for the neurotrophic factor neurturin mediating the NRTN-induced autophosphorylation and activation of the RET tyrosine kinase receptor. Soluble GFRas released enzymatically from the cell surface by phosphatidylinositol phospholipase C, as well as recombinantly produced soluble GFRa1, can also bind with high affinity to GDNF and trigger the activation of Ret tyrosine kinase. Human GFRa1 shares 93% amino acid identity with mouse GFRa1. The expression of the various GFRas are differentially regulated in the central and peripheral nervous system, suggesting complementary roles for the GFRas in mediating the activities of the GDNF family of neurotrophic factors.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : DRLDCVKASDQCLKEQSCSTKYRTLRCVAGKETNFSLASGLEAKDECRSAMEALKQKSLYNCRCKRGMKKE
KNCLRIYWSMYQSLQGNDLLEDSPYEPVNSRLSDIFRVVFPISVEHIPKGNCLDAKACNLDDICKKYRSAYITP
CTTSVSNVDCNRRKCHKALRQFFDKVPAKHSYGMLFCSCRDIACTERRRQTIVPVCSYEEREKPNCLNLQDSC
KTNVICRSRLADFFTNCPESRSVSSCLKENYADCLLAYSGLIGTVMTPNYIDSSSLSVAPWCDCSNGNDLEE
CLKFLNFFKDNTCLKNAIQAFNGSDVTVWQPAFPVQTTTATTTALRVKNKPLGPAGSENEIPTHVLPPCANL
QAQKLKSNVSGNTHLCISNGNYEKEGLGASSHITTKVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.