

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 (GDNFR α 1) is a glycosylphosphatidylinositol (GPI) linked cell surface protein belonging to GDNF-family receptor 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.

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 : DRLDCVKASDQCLKEQSCSTKYRTLRCQCVAGKETNFSLASGLEAKDECRSAMEALKQKSLYNCRCKRGMKKE
KNCLRIYWSMYQSLQGNDLLEDSPYEPVNSRLSDIFRVVPFISVEHIPKGNNCLDAKACNLDDICKKYRSAYITP
CTTSVSNVDCNRRKCHKALRQFFDKVPAKHSYGMLFCSCRDIACTERRRQTIVPVCSYEEREKPNCLNLQDSC
KTNYICRSRLADFFTNCPESRSVSSCLKENYADCLLAYSGLIGTVMPNYIDSSSLSVAPWCDCSNSGNDLEE
CLKFLNFFKDNTCLKNAIQAFNGSDVTWQPAFPVQTTTATTTALRVKNKPLGPAGSENIPTHLVPPCANL
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.