

32-7426: Recombinant Human GDNF Receptor α -2/GFRA2 (C-6His)

Gene : GFRA2
Gene ID : 2675
Uniprot ID : O00451

Description

Source: Human Cells.
MW :47.79kD.

Recombinant Human GDNF Family Receptor α -2 is produced by our Mammalian expression system and the target gene encoding Ser22-Ser441 is expressed with a 6His tag at the C-terminus. Members of the glial cell line-derived neurotrophic factor (GDNF) family, including GDNF and Neurturin, play key roles in the control of vertebrate neuronal survival and differentiation. GDNF is a glycosylated, disulfide-bonded homodimer that is distantly related to the TGF superfamily of growth factors. Three receptors for these factors, GFR α -1, GFR α -2, and GFR α -3 have been identified. The receptors do not contain transmembrane domains and are attached to the cell membrane by glycosyl-phosphoinositol linkage. Both GFR α -1 and GFR α -2 have been shown to mediate the GDNF-dependent and Neurturin-dependent phosphorylation and activation of the tyrosine kinase Ret. GFR-3 is expressed only during development. GFR α -2 binds Neurturin and mediates activation of RET receptor tyrosine kinase by both Neurturin and GDNF.

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 : SPSSLQGPELHGWRPPVDCVRANELCAAESNCSSRYRTLQCLAGRDRNTMLANKECQAALEVLQESPLYDC RCKRGMKKELQCLQIYWSIHLGLTEGEEFYEASPYEPVTSRLSDIFRLASIFSGTGADPVVSAKSNHCLDAKAC NLNDNCKLRSSYISICNREISPTERCNRRKCHKALRQFFDRVPSEYTYRMLFCSCQDQACAERRRQTILPSCSY EDKEKPNCLDLRGVCRTHLCSRSLADFHANCRASYQTVTSCPADNYQACLGSYAGMIGFDMTPNYVDSSPT GIVVSPWCSCRGSGNMEECEKFLRDFTENPCLRNAIQAFGNGTDVNVSPKGPSFQATQAPRVEKTPSLPDDL SDSTSLGTSVITTCTSVQEQLKANNSKELSMCFTELTTNIIPGSNKVIKPNVSDHHHHH

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.