

## 32-8507: Recombinant Human GDNF Receptor $\alpha$ -2/GFRA2 (C-Fc-6His)

**Gene :** GFRA2  
**Gene ID :** 2675  
**Uniprot ID :** O00451

### Description

Source: Human Cells.  
MW :74.7kD.

Recombinant Human GDNF Receptor alpha 2 is produced by our Mammalian expression system and the target gene encoding Ser22-Ser441 is expressed with a Fc, 6His tag at the C-terminus. GDNF family receptor alpha-2 is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor. It is part of the GDNF receptor family. Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. GFRA2 mediates the NRTN-induced autophosphorylation and activation of the RET receptor. It also able to mediate GDNF signaling through the RET tyrosine kinase receptor. It acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM Tris,150mM NaCl,pH8.0.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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 :** SPSSLQGPELHGWRPPVDCVRANELCAAESNCSSRYRTLRLQCLAGRDRNTMLANKECQAALVLEQESPLYDC  
RCKRGMKKELQCLQIYWSIHLGLTEGEEFYEASPYEPVTSRLSDIFRLASIFSGTGADPVVSAKSNHCLDAAKAC  
NLNDNCKKLRSSYISICNREISPTERCNRRKCHKALRQFFDRVPSEYTYRMLFCSCQDQACAERRRQTILPSCSY  
EDKEKPNCLDLRGVCRTHLRCRSLADFHANCRASYQTVTSCPADNYQAQLGSYAGMIGFDMTPNYVDSSPT  
GIVVSPWCSCRGSGNMEEECEKFLRDFTENPCLRNAIQAFNGTDVNVSPKGPSFQATQAPRVEKTPSLPDDL  
SDSTSLGTSVITTCSTVQEQLKANNKELSMCFTELTTNIIPGSNKVIKPNVDDIEGRMDEPKSCDKTHTCPP  
CPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV  
VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDI  
AVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSLSPGKHH  
HHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.