

**GFRA3, 32-374aa, Human, hlgG-His-tag, Baculovirus**

**Cat.NO.: TP02233**

3th Edition

**Synonyms:**GDNF family receptor alpha-3, GFRA3, GDNFR3, GFRalpha3

**Description:**GFRA3, also known as GDNF family receptor alpha-3, is a plasma membrane glycoprotein. This protein is one of the four GDNF receptors, all of which are glycosylphosphoinositol (GPI)-linked, contain three conserved cysteine repeats, and involved survival of neurons. Also, it promotes the formation of a physical complex between GFRA/GDNFRa and the orphan tyrosin kinase receptor Ret, thereby inducing its tyrosine phosphorylation. Recombinant human GFRA3, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**65.5kDa (585aa), 70-100kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPDPLPTESRLMNSCLQARRKCQADPTCSAAYHHLDSTSSISTPLPSEEPSVPADCLEAAQQLRNSSLIGCMCH  
RRMKNQVACLDIYWTVHRARSLGNYELDVSPYEDTVTSKPWKMNLSKLNMLKPDSDLCLKFAMLCTLNDKCDRLR  
KAYGEACSGPHCQRHVCLRQLLTFEKA AEPHAQGLLLCPCAPNDRGCGERRRNTIAPNCALPPVAPNCLELRRL  
CFSDPLCRSRLVDFQTHCHPMDILGTCATEQSRCLRAYLGLIGTAMTPNFVSNVNTSVALSCTCRGSGNLQEECE  
MLEGFFSHNPCLTEAIAAKMRFHSQLFSQDWPHTFAVMAHQENLEPKSCDKTHTCPPCPAPELLGGPSVFLFP  
PKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY  
KCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPP  
VLDSGDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHYTQKSLSLSPGKHHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.