

Gfra1, 25-430aa, Rat, hlgG-His-tag, Baculovirus

Cat.NO.: TP02232

3th Edition

Synonyms:GDNF family receptor alpha-1, Gfra1

Description:Gfra1, also known as GDNF family receptor alpha-1, is a member of the GDNF receptor family. It is a glycosyl-phosphatidylinositol(GPI)-linked cell surface receptor for both Glial cell line-derived growth factor (GDNF), neurturin (NTN), and mediates activation of the RET tyrosine kinase receptor. This protein is a potent survival factor for central and peripheral neurons, and is essential for the development of kidneys and the enteric nervous system. Recombinant rat Gfra1 protein, 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:72.3kDa (645aa), 70-100kDa (SDS-PAGE under reducing conditions.)

Sequences:

DRLDCKVKAQCLKEQSCSTKYRTLRLQCVAGKETNFSLTSGLEAKDECRSAMEALKQKSLYNCRCKRGMKKEKN
CLRIYWSMYQSLQGNLLEDSPYEPVNSRLSDIFRAVPFISDVFQQVEHISKGNCLDAKACNLDDTCKKYRSAYI
TPCTTSMSEVNCNRRKCHKALRQFFDKVPAKHSYGMFCSCRDIACTERRRQTIVPVCSEERERPNCLSLQDSC
KTNVICRSRLADFFTNCPESRSVSNCLKENYADCLLAYSGLIGTVMTPNYVDSSSLSVAPWCDSCNSGNDLEDCL
KFLNFFKDNTCLKNAIQAFNGSDVTMWQPAPPVQTTTATTTTAFRVKNKPLGPAGSENEIPTHVLPPCANLQAQK
LKSNVSGSTHLCSDSDFGKDLGAGASSLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCV
VVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISK
AKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDK
SRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH

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.