

Tumor necrosis factor receptor superfamily member 16, 29-250aa, Human, His tag, Insect cell

Cat.NO.: TP04341

3th Edition

Synonyms:NGFR, CD271, Gp80-LNGFR, p75(NTR), p75NTR, TNFRSF16

Description:NGFR, also known as tumor necrosis factor receptor superfamily member 16, is a member of the tumor necrosis factor receptor superfamily with a widespread pattern of expression in tissues such as the brain, liver, lung, and muscle. It plays a role in the regulation of the translocation of GLUT4 to the cell surface in adipocytes and skeletal muscle cells in response to insulin, probably by regulating RAB31 activity, and thereby contributes to the regulation of insulin-dependent glucose uptake. They are low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. It can mediate cell survival as well as cell death of neural cells. Recombinant human NGFR, fused to 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:24.6kDa (230aa) 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

KEACPTGLYTHSGECCACNLGEGVAQPCGANQTVCEPCLDSVTFSDVVSATEPCKPCTECVGLQSMSAPCVEA
DDAVCRCAYGYYQDETTGRCEACRVCEAGSLVFSCQDKQNTVCEECPDGTYSDEANHVDPCLPCTVCEDTER
QLRECTRWADAECEEIPGRWITRSTPPEGSdstapstQEPEAPPEQDLIASTVAGVVTTVMGSSQPVVTRGTTDNL
EHHHHHH

Purity:> 95% by HPLC

Concentration:1mg/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.