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32-7642: Recombinant Mouse Nerve Growth Factor Receptor/NGFR/TNFRSF16/CD271 (C-Fc)(Discontinued)

Gene : Ngfr
Gene ID : 18053
Uniprot ID : Q8CFT3

Description

Source: Human Cells.
MW :56.15kD.
Recombinant Mouse Nerve Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Gly20-Asn243 is expressed with a Fc tag at the C-terminus. Mouse Tumor necrosis factor receptor superfamily member 16(TNFRSF16) is a single-pass type I membrane protein which contains 1 death domain and 4 TNFR-Cys repeats. It has 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. TNFRSF16 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. It binds to rabies virus glycoprotein Gs. Necessary for the circadian oscilllation of the clock genes ARNTL/BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCN) of the brain and in liver and of the genes involved in glucose and lipid metabolism in the liver.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.
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 : GAKETCSTGMYTHSGECCKACNLGEGVAQPCGANQTVCEPCLDSVTFSDVVSATEPCKPCTECLGLQSMSAP
CVEADDAVCRCSYGYYQDEETGRCEACSVCGVGSGLVFSCQDKQNTVCEECPEGTYSDEANHVDPCLPCTVC
EDTERQLRECTPWADAECEEIPGRWITRSTPPEGSDVTTPSTQEPEAPPERDLIASTVADTVTTVMGSSQPVVT
RGTADNVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQ
VYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQG
NVFSCSVMHEALHNHYTQKSLSLSPGK

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 µg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.