

32-8671: Recombinant Mouse Transforming Growth Factor- beta Receptor Type II/TGFBR2 (C-Fc)

Gene : Tgfr2
Gene ID : 21813
Uniprot ID : Q62312

Description

Source: Human Cells.

MW :42.3kD.

Recombinant Mouse TGF beta receptor II is produced by our Mammalian expression system and the target gene encoding Ile24-Asp159 is expressed with a Fc tag at the C-terminus. Transforming growth factor- beta (TGF- beta) is an essential regulator in the processes of development, cell proliferation, and extracellular matrix deposition. TGF- beta regulates cellular processes by binding to three high-affinity cell surface receptors: TGF- beta receptor type I (TGF- beta-RI), TGF- beta receptor type II (TGF- beta-RII), and TGF- beta beta receptor type III (TGF- beta-RIII). TGF- beta RII is consists of a C-terminal protein kinase domain and an N-terminal ectodomain and belongs to transforming growth factor-beta (TGF- beta) receptor subfamily. TGF- beta RII has a protein kinase domain which can form a heterodimeric complex with another receptor protein and bind TGF-beta. This receptor/ligand complex phosphorylates protein will enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation.

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 : IPPHVPKSVNSDVMASDNGGAVKLPQLCKFCDVRLSTCDNQKSCMSNCSITAICEKPEHVCVAVWRKNDKNIT
LETVCHDPKLYHGFTLEDAASPKCVMKEKKRAGETFFMCACNMEECNDYIIFSEEYTTSSPDVDDIEGRMDEP
KSCDKTHTCPPELGGPSVFLFPPKPKDTLMISRTPEVTCVWVDVSHEDPEVKFNWYVDGVEVHNAKTKP
REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSL
TCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQSMHEALHNNHYT
QKLSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.