

TGFBR2, 23-166aa, Human, hlgG-His tag, Baculovirus

Cat.NO.: TP04191

3th Edition

Synonyms:TGF-beta receptor type-2 isoform B, TGFBR2, AAT3, FAA3, LDS1B, LDS2, LDS2B, MFS2, RIIC, TAAD2, TGF beta-RII, TGFR-2

Description:TGFBR2, as known as TGF-beta receptor type-2 isoform B, is a member of the serine and threonine protein kinase family and the TGF beta receptor subfamily. The type-2 receptor binds TGF-beta1 and TGF-beta3 with high affinity, and TGF-beta2 with a much lower affinity. It forms a heterodimeric complex with type1 receptor and is essential for signal transduction. Also, this protein may play an important role in TGF-beta2 binding and signaling in cells lacking TGFBR3. Recombinant human TGFBR2, 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:43.3kDa (383aa); 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

TIPPHVQKSVNNDMIVTDNNGAVKFPQLCKFCDVRFSTCDNQKSCMSNCSITSICEKPQEVCAVWRKNDENITL
TVCHDPKLPYHDFILEDAAAPKCMKEKKKPGETFFMCSCSSDECNDNIIFSEEYNTSNPDLLLIVIFQLEPKSCDKTH
TCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTY
RVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDI
AVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHH
HH

Purity:> 95% by HPLC

Concentration:0.5mg/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.