

Active Recombinant Human TGFR2 protein, His-tagged

Cat. No. TGFR2-0795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFR2 protein(Thr23-Asp159), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-159 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Serial dilutions of Human TGF-beta RII, His Tag were added into Human Latent TGFB1, His Tag: Biotinylated Human TGF-beta RII, His,Avitag binding reactions. The half maximal inhibitory concentration (IC50) is 0.39287 µg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 17.4 kDa. The protein migrates as 25-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Thr23-Asp159
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	TGFB2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens]
Official Symbol	TGFB2
Synonyms	TGFB2; transforming growth factor, beta receptor II (70/80kDa); MFS2, transforming growth factor, beta receptor II (70 80kD); TGF-beta receptor type-2; tbetaR-II; TGF-beta receptor type II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor-beta receptor type II; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II (70/80kDa) isoform 1; transforming growth factor, beta receptor II (70/80kDa) isoform 2; AAT3; FAA3; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII;
Gene ID	7048
mRNA Refseq	NM_001024847
Protein Refseq	NP_001020018
MIM	190182
UniProt ID	P37173