

Recombinant Human TGFBR1 protein, mFc-Avi-tagged

Cat. No. TGFBR1-698H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFBR1 protein(P36897-1)(Leu34-Glu125), fused with C-terminal mFc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu34-Glu125
Tag	C-mFc-Avi
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Human TGFBR1, mFc Tag captured on CM5 Chip via Protein A can bind Human Mature TGF beta 1, No Tag with an affinity constant of 0.35 uM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 38.2 kDa. Due to glycosylation, the protein migrates to 50-55 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	TGFBFR1 transforming growth factor, beta receptor 1 [Homo sapiens]
Official Symbol	TGFBFR1
Synonyms	TGFBFR1; transforming growth factor, beta receptor 1; transforming growth factor, beta receptor I (activin A receptor type II like kinase, 53kD); TGF-beta receptor type-1; activin A receptor type II like kinase; 53kDa; ACVRLK4; ALK 5; tbetaR-I; TGF-beta receptor type I; TGF-beta type I receptor; activin receptor-like kinase 5; transforming growth factor beta receptor I; serine/threonine-protein kinase receptor R4; activin A receptor type II-like kinase, 53kD; activin A receptor type II-like kinase, 53kDa; transforming growth factor-beta receptor type I; activin A receptor type II-like protein kinase of 53kD; transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kD); AAT5; ALK5; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1;
Gene ID	7046
mRNA Refseq	NM_001130916
Protein Refseq	NP_001124388
MIM	190181
UniProt ID	P36897

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