

Active Recombinant Human TGFBR1 protein, His&GST-tagged

Cat. No. TGFBR1-143H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TGFBR1 protein(P36897-1) (200-503 aa) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	200-503 aa
Form	Supplied as sterile 20mM Tris, 500mM Nacl, pH 8.5, 10% glycerol.
Bio-activity	The specific activity was determined to be 40 nmol/min/mg using casein as substrate.
Molecular Mass	The recombinant human ALK5/GST chimera consists of 541 amino acids and has a calculated molecular mass of 62.6 kDa. The recombinant protein migrates approximately 57 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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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 [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](#)

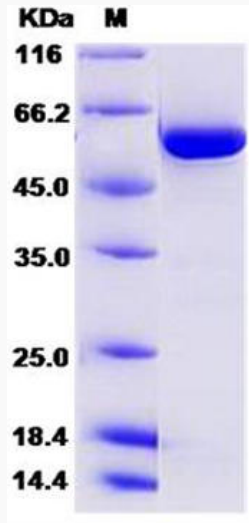
UniProt ID [P36897](#)

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SDS-PAGE



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