

Active Recombinant Human TGFBR1 protein, His&hFc-tagged

Cat. No. TGFBR1-2346H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TGFBR1 protein(NP_004603.1)(Met 1-Glu 125) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-125 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized mouse CD105 at 10 µg/ml (100 µl/well) can bind human TGFRB1 with a linear ranger of 6.4-800 ng/ml. 2. Measured by its ability to bind human CD105 in a functional ELISA.
Molecular Mass	The recombinant human TGFBR1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 349 amino acids and has a predicted molecular mass of 38.8 kDa. As a result of glycosylation, the apparent molecular mass of rh TGFBR1/Fc monomer is approximately 45-50 kDa in SDS-PAGE under reducing conditions, with ~10% free Fc fragments.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE

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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.

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 TGFBR1 transforming growth factor, beta receptor 1 [Homo sapiens]

Official Symbol TGFBR1

Synonyms TGFBR1; 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

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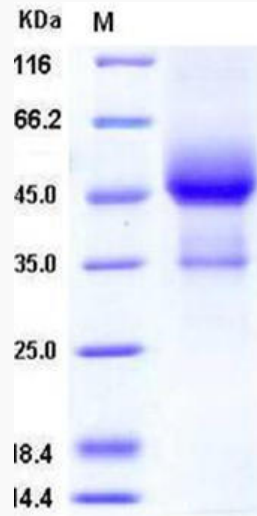
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UniProt ID

P36897

SDS-PAGE



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