

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)(Met1-Glu125) is expressed in HEK293, fused with a Fc, 6xHis tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-125 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human TGF-beta Protein at 2 µg/mL (100 µL/well) can bind TGFBR1 with a linear range of 3.9-80.49 ng/mL.
Molecular Mass	39.90 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name [TGFB1 transforming growth factor, beta receptor 1 \[Homo sapiens \]](#)

Official Symbol [TGFB1](#)

Synonyms

TGFB1; 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](#)

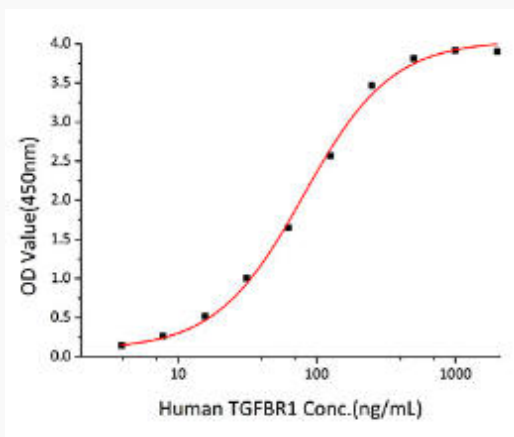
UniProt ID [P36897](#)

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Activity



SDS-PAGE

