

Biotinylated Recombinant Human TGF-beta receptor type-1/TGFR-1/ALK-5 Protein

Catalog No.: RP02598B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7046	P36897-1

Tags

C-His&Avi

Synonyms

AAT5; ACVRLK4; ALK-5; LDS1A; LDS2A; SKR4; tbetaR-I; TGFB1R1; TGF-beta RI; TGFbetaRI; TGFB1R1; TGF-bRI; TGFR-1; tβR-I; TGF-β RI; TGFBRI

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

Calculated MW	Observed MW
38.2 kDa	50-55 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 freeze-thaw cycles.

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Background

transforming growth factor beta receptor 1 (TGFB1), a key stimulator of tumor proliferation and metastasis, was a direct target of miR9875p. miR9875p overexpression resulted in the downregulation of TGFB1 and the suppression of the viability, proliferation, migration and invasion of A549 and H1299 cells.

Basic Information

Description

Biotinylated Recombinant Human TGF-beta receptor type-1/TGFR-1/ALK-5 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu34-Glu125) of Human TGFR-1/ALK-5 fused with a mFc and Avi tag at the C-terminal.

Bio-Activity

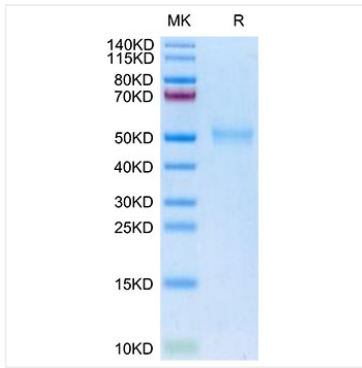
Storage

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.

Avoid repeated freeze/thaw cycles.

Validation Data



Biotinylated Human TGFBR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.