

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

Catalog No.: RP02598B Recombinant

Sequence Information

Gene ID **Swiss Prot Species** Human 7046 P36897-1

Tags C-mFc&Avi

Synonyms

AAT5; ACVRLK4; ALK-5; LDS1A; LDS2A; SKR4; tbetaR-I; TGFB1R1; TGF-beta RI; TGFbetaRI; TGFBR1; TGF-bRI; TGFR-1; tβR-I; TGF-β RI; TGFβRI

Product Information

Purification Source

HEK293 cells \geq 95 % as determined 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

transforming growth factor beta receptor 1 (TGFBR1), a key stimulator of tumor proliferation and metastasis, was a direct target of miR?98?5p. miR?98?5p overexpression resulted in the downregulation of TGFBR1 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

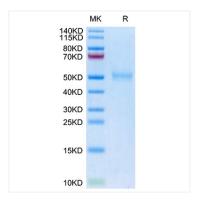
Storage

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 Recombinant Human TGF-beta receptor type-1/TGFR-1/ALK-5 Protein was determined by Tris-Bis PAGE under reducing conditions.