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

Catalog No.: RP02598B

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Sequence Information

Species
Human

Gene ID
7046

Swiss Prot
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

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW
38.2 kDa

Observed MW
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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

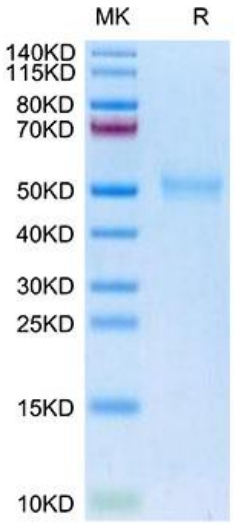
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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