

# 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-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

Purification

HEK293 cells ≥ 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**

8	400-999-6126
$\times$	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

# **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**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

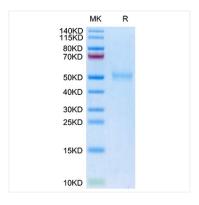
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

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

# **Validation Data**



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