

Biotinylated Recombinant Human TROP-2/TACSTD2 Protein

Catalog No.: RP02570 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human		P09758

Tags

C-His&Avi

Synonyms

EGP1; EGP-1; TROP2; GA733-1; gp50; T16; TACSTD2; TROP-2; M1S1; TACD2

Product Information

Source

HEK293 cells

Purification

> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

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.

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Background

Trop-2 [also known as epithelial glycoprotein-1 antigen (EGP-1)] is a protein that in humans is encoded by the TACSTD2 gene. Mutations of this gene result in gelatinous drop-like corneal dystrophy, an autosomal recessive disorder characterized by severe corneal amyloidosis leading to blindness.

Basic Information

Description

Recombinant Biotinylated Human TROP-2/TACSTD2 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains His27-Thr274.

Bio-Activity

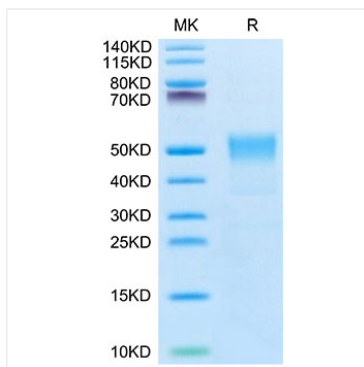
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

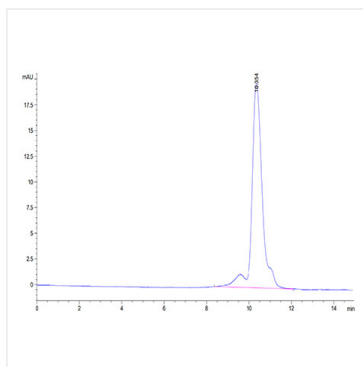
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

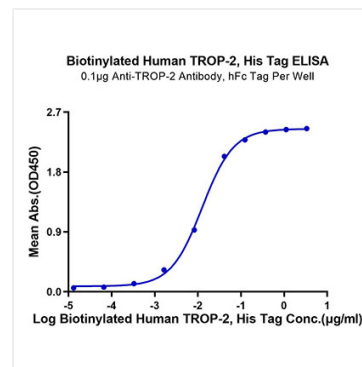
Validation Data



Biotinylated Human TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human TROP-2 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-TROP-2 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TROP-2, His Tag with the EC₅₀ of 12.6ng/ml determined by ELISA.