Recombinant Cynomolgus TROP-2/TACSTD2 Protein

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Catalog No.: RP02682 `Recombinant`

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		XP_005543292.1

Tags
C-His

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

Product Information

Source	Purification
HEK293 cells	> 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 stablizer (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 Cynomolgus TROP-2/TACSTD2 Protein is expressed from Expi293 with His tag at the C-terminal.It contains His27-Thr274.
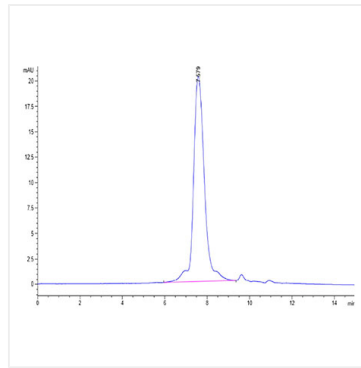
Bio-Activity

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.
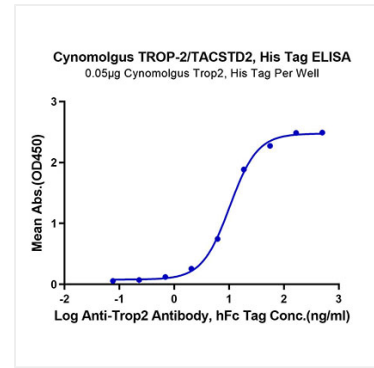Avoid repeated freeze/thaw cycles.

Validation Data
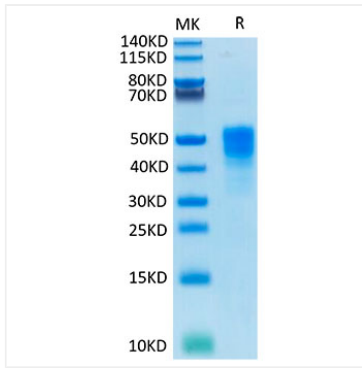
Cynomolgus TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

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

Immobilized Cynomolgus TROP-2 at 0.5µg/ml (100µl/Well). Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC_{50} of 10.2ng/ml determined by ELISA.