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## Datasheet for ABIN7275792 TACSTD2 Protein (His tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	TACSTD2
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TACSTD2 protein is labelled with His tag.

#### Product Details

Sequence:	His27-Thr274
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus TROP-2 at 0.5µg/ml (100µl/Well). Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC50 of 10.2ng/ml determined by ELISA. See testing image for detail.

#### Target Details

Target:	TACSTD2
Alternative Name:	TROP-2 ( <a href="#">TACSTD2 Products</a> )
Background:	EGP1, EGP-1, TROP2, GA733-1, gp50, T16, TACSTD2, TROP-2, M1S1, TACD2,Trop-2,also known as epithelial glycoprotein-1 antigen (EGP-1),is a protein that in humans is encoded by the

## Target Details

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.

Molecular Weight: 28.7 kDa. Due to glycosylation, the protein migrates to 40-55 kDa based on Tris-Bis PAGE result.

NCBI Accession: [XP\\_005543292](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

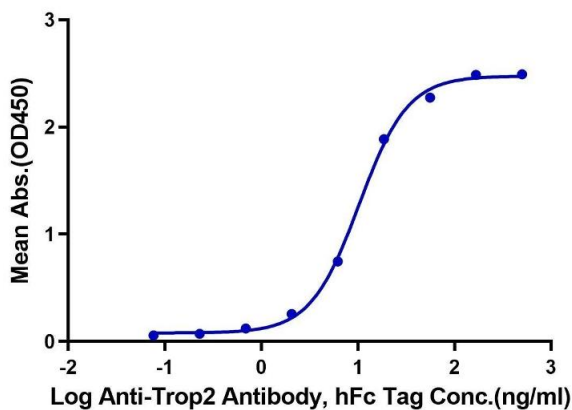
Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

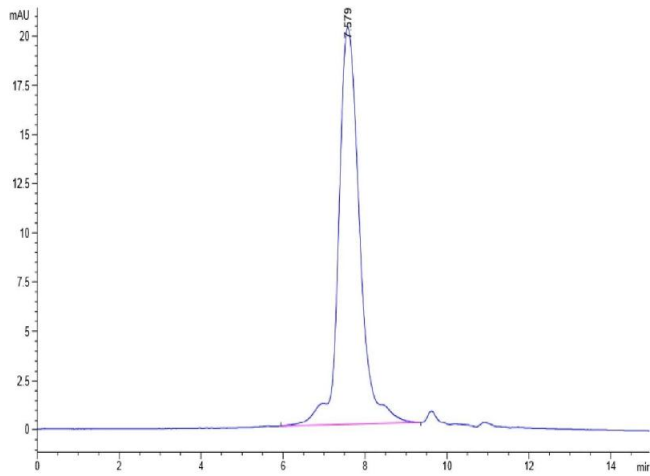
## Images

**Cynomolgus TROP-2/TACSTD2, His Tag ELISA**  
0.05µg Cynomolgus Trop2, His Tag Per Well



### ELISA

**Image 1.** Immobilized Cynomolgus TROP-2 at 0.5 µg/mL (100 µL/Well). Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC50 of 10.2 ng/mL determined by ELISA.



### Size-exclusion chromatography-High Pressure Liquid Chromatography

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



### SDS-PAGE

**Image 3.** Cynomolgus TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .