

Datasheet for ABIN7275796

**TACSTD2 Protein (AA 27-274) (His-Avi Tag,Biotin)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µg
Target:	TACSTD2
Protein Characteristics:	AA 27-274
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TACSTD2 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Human TROP-2/TACSTD2 Protein
Sequence:	His27-Thr274
Characteristics:	Recombinant Biotinylated Human TROP-2/TACSTD2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains 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 Anti-TROP-2 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TROP-2, His Tag with the EC50 of 24.1ng/ml determined by ELISA. See testing image for detail.

## Target Details

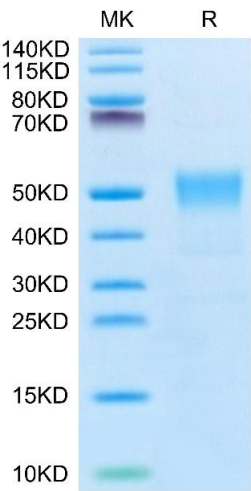
Target:	TACSTD2
Alternative Name:	TROP-2 ( <a href="#">TACSTD2 Products</a> )
Background:	Trop-2, also known as epithelial glycoprotein-1 antigen (EGP-1), is a protein that in humans is encoded by the TACSTD2 gene. Mutations of this gene result in gelatinous drop-like corneal dystrophy, an autosomal recessive disorder characterized by severe corneal amyloidosis leading to blindness.
Molecular Weight:	30.5 kDa. Due to glycosylation, the protein migrates to 46-55 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P09758</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

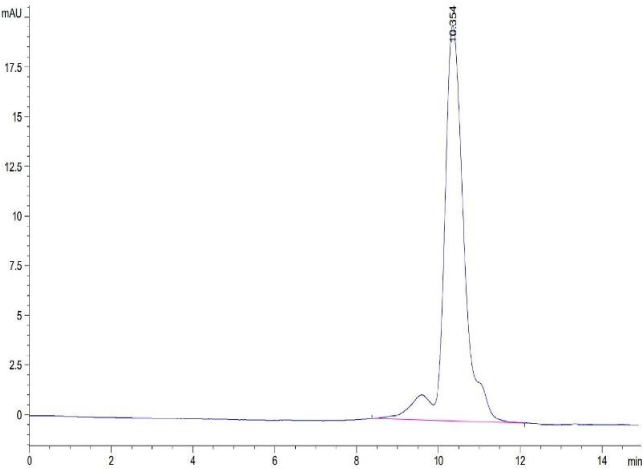
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

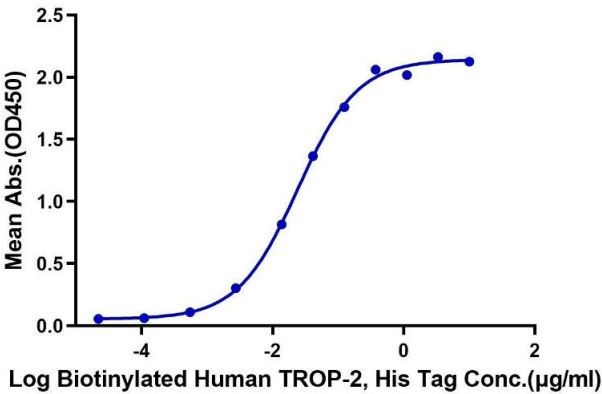
**Image 1.** Biotinylated Human TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

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

**Biotinylated Human TROP-2, His Tag ELISA**  
0.05µg Anti-TROP-2 Antibody, hFc Tag Per Well



ELISA

**Image 3.** Immobilized Anti-TROP-2 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human TROP-2, His Tag with the EC50 of 24.1 ng/mL determined by ELISA.