Datasheet for ABIN7275795

TACSTD2 Protein (Fc Tag)

2 Images

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Overview

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

Target Details

Target:	TACSTD2
Alternative Name:	TROP-2 (TACSTD2 Products)
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 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:	54.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Target Details

UniProt:	P09758

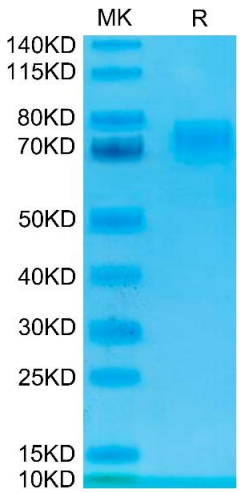
Application Details

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

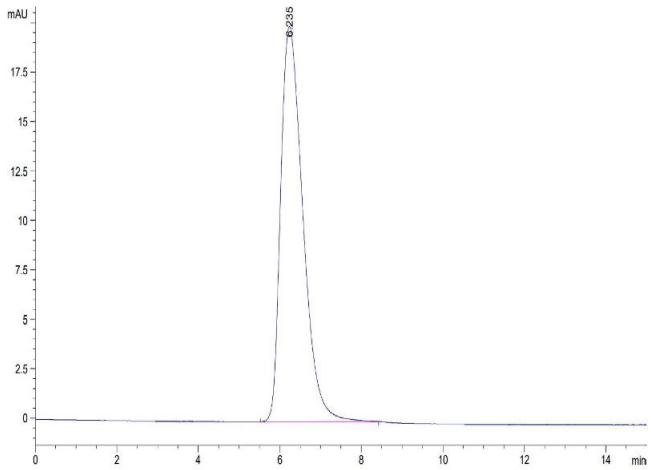
Images



SDS-PAGE

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

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

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