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## **TACSTD2 Protein (His tag)**

**Images** 



#### Overview

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

### **Product Details**

| Sequence:        | Gln25-Gly270   |
|------------------|--|
| 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: | 28.8 kDa. Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result.   |

## **Target Details**

UniProt:

Q8BGV3

## **Application Details**

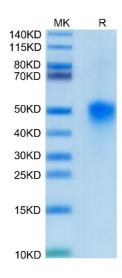
Restrictions:

For Research Use only

## Handling

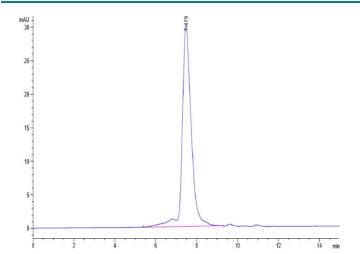
| Format:          | Lyophilized   |
|------------------|---|
| Reconstitution:  | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water. |
| 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.** Mouse 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 Mouse TROP-2 is greater than 95% as determined by SEC-HPLC.