

# Human TROP-2/TACSTD2 (His Tag) recombinant protein



Catalog Number: 501730

## General Information

### Gene Name Synonym

Cell surface glycoprotein Trop-2; Membrane component chromosome 1 surface marker 1; Pancreatic carcinoma marker protein GA733-1

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Thr 274) of human TROP2 (NP\_002344.2) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

His 27

### Molecular Mass

The recombinant human TROP2 comprises 259 amino acids and has a predicted molecular mass of 29.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh TROP2 is approximately 42-48 kDa due to glycosylation.

### Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

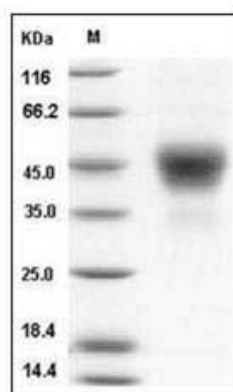
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human TROP2 / TACSTD2 Protein (His Tag) SDS-PAGE