

# Mouse TROP-2/TACSTD2 (Fc Tag) recombinant protein



Catalog Number: 504654

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse TACSTD2 (Q8BGV3?) (Met 1-Gln 270) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells.

When  $5 \times 10^4$  cells/well are added to TACSTD2/Fc coated plates (40  $\mu\text{g}/\text{mL}$  with 100  $\mu\text{L}/\text{well}$ ), > 50% cells will adhere for 1 hour incubation at 37°C.

### Purity

> 95 % 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°C

### Predicted N terminal

Gln 25

### Molecular Mass

The secreted recombinant mouse TACSTD2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 487 amino acids and has a calculated molecular mass of 55 kDa. As a result of glycosylation, the apparent molecular mass of rmTACSTD2/Fc monomer is approximately 66 kDa in SDS-PAGE under reducing conditions.

### 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

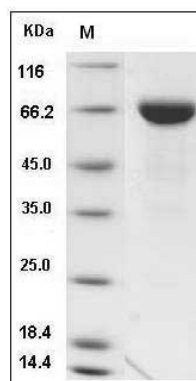
### Storage

Store it under sterile conditions at -20°C to -80°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



Mouse TROP2 / TACSTD2 Protein (Fc Tag) SDS-PAGE