

Mouse TROP-2/TACSTD2 (His Tag) recombinant protein



Catalog Number: 504655

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of mouse TACSTD2 (Q8BGV3?) (Met 1-Gln 270) was expressed, with a C-terminal polyhistidine tag.

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

Purity

$> 92\%$ as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg 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 comprises 257 amino acids and has a calculated molecular mass of 29.4 kDa. As a result of glycosylation, the apparent molecular mass of rmTACSTD2 is approximately 45 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

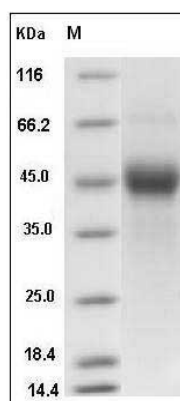
Storage

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



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