

# Mouse TIGIT/VSTM3 (His Tag) recombinant protein



Catalog Number: 501686

## General Information

### Gene Name Synonym:

### Protein Construction:

A DNA sequence encoding the extracellular domain of mouse TIGIT (NP\_001139797.1) (Met 1-Gly 141) was expressed, with a C-terminal polyhistidine tag.

**Source:** Mouse

**Expression Host:** Human Cells

### QC Testing

#### Activity:

Immobilized mouse TIGIT-His at 10 µg/ml (100 µl/well) can bind mouse PVR-Fch (Cat:504218), The EC<sub>50</sub> of mouse PVR-Fch (Cat:504218) is 0.31-0.73 µg/ml.

#### Purity:

> 90 % 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:

Gly 26

#### Molecular Mass:

The secreted recombinant mouse TIGIT comprises

127 amino acids and has a calculated molecular mass of 14.2 kDa. As a result of glycosylation, the apparent molecular mass of rmSIRPA is approximately 20-25 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

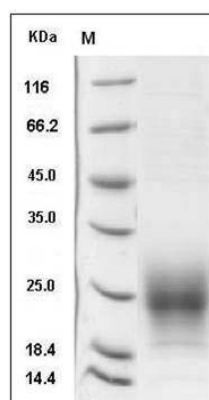
#### Storage:

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 TIGIT / VSTM3 Protein (His Tag) SDS-PAGE