

# Rat TNFSF12 (Fc Tag) recombinant protein



Catalog Number: 504744

## General Information

### Protein Construction

A DNA sequence encoding the rat TNFSF12 (Arg105-His249) was expressed with Fc region of human IgG1 at the N-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED<sub>50</sub> for this effect is typically 5-20 ng/mL.
2. Immobilized Fc-rat TNFSF12 at 10 µg/ml (100 µl/well) can bind biotinylated human Fc-TNFRSF12A (Cat:502881), The EC<sub>50</sub> of biotinylated human Fc-TNFRSF12A (Cat:502881) is 0.12-0.28 µg/ml.

### Purity

> 85 % 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

Glu

### Molecular Mass

The recombinant rat TNFSF12 comprises 405 amino acids and predicts a molecular mass of 44.4 kDa. The apparent molecular mass of the recombinant protein is approximately 49 kDa in SDS-PAGE under reducing conditions 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

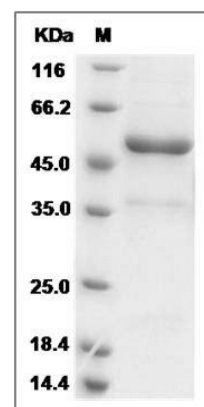
### Storage

Store it under sterile conditions at -20°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



Rat TNFSF12 Protein (Fc Tag) SDS-PAGE