

## General Information

### Protein Construction

A DNA sequence encoding the rat TNFSF8 (Gln66-Asp237) was expressed with two additional amino acids (Gly & Pro) at the N-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized rat TNFSF8 at 10 µg/ml (100 µl/well) can bind biotinylated human CD30-Fch (Cat:504541), The EC<sub>50</sub> of biotinylated human CD30-Fch (Cat:504541) is 8.7-20.3 ng/ml.

### Purity

> 95 % 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

### Molecular Mass

The recombinant rat TNFSF8 comprises 174 amino acids and predicts a molecular mass of 19.6 kDa. The apparent molecular mass of the recombinant protein is approximately 31-35 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

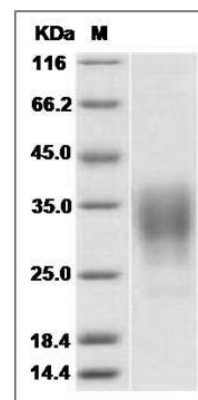
### Storage

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 CD153 / CD30L / TNFSF8 Protein SDS-PAGE