

# Mouse RANKL/OPGL/TNFSF11 (CD254) (Fc Tag) recombinant protein



Catalog Number: 501103

## General Information

### Gene Name Synonym

Osteoclast differentiation factor; Osteoprotegerin ligand; Receptor activator of nuclear factor kappa-B ligand; TNF-related activation-induced cytokine; Tumor necrosis factor ligand superfamily member 11, membrane form; Tumor necrosis factor ligand superfamily member 11, soluble form

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse TNFSF11 (BAA97257.1) (Arg 72-Asp 316) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized mouse Fc-TNFSF11 at 10 µg/ml (100 µl/well) can bind biotinylated human TNFRSF11B-His (Cat:500115), The EC<sub>50</sub> of biotinylated human TNFRSF11B-His (Cat:500115) is 0.07-0.17 µg/ml.

### Purity

> 87 % 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 mouse TNFSF11/Fc is a disulfide-linked homodimer. The reduced monomer comprises 505 amino acids and has a calculated molecular mass of 56 kDa. The apparent molecular mass of the monomer is approximately 50 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

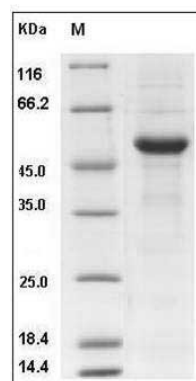
### Storage

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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