

# Mouse HVEM/TNFRSF14 (His & Fc Tag) recombinant protein



Catalog Number: 503760

## General Information

### Gene Name Synonym

Tumor necrosis factor receptor superfamily member 14

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 206) of mouse HVEM (NP\_849262.1) precursor was fused with C-terminal His-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

CHO Stable Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized mouse HVEM-Fc (Cat:503760) at 10 µg/mL (100 µl/well) can bind biotinylated mouse BTLA-Fc (Cat:504714). The  $EC_{50}$  of biotinylated mouse BTLA-Fc (Cat:504714) is 152-228 ng/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

Pro 40

### Molecular Mass

The recombinant mouse HVEM /Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 415 amino acids and predicts a molecular mass of 46.4 KDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rmHVEM/Fc monomer is approximately 65 KDa due to the 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

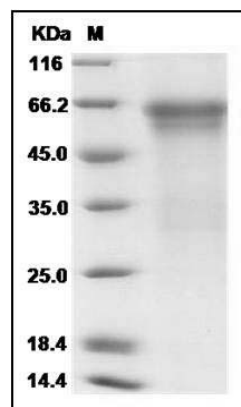
### Storage

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



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