

# Human KIM-1/TIM1/HACVR1 (His & Fc Tag) recombinant protein



Catalog Number: 502706

## General Information

### Gene Name Synonym

Kidney injury molecule 1; T-cell immunoglobulin and mucin domain-containing protein 1; T-cell immunoglobulin mucin receptor 1; T-cell membrane protein 1

### Protein Construction

A DNA sequence encoding the mature form of human KIM1 extracellular domain (AAC39862.1) (Ser 21-Gly 290) was fused with a polyhistidine tag at the C-terminus and the Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g 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 human KIM1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 515 amino acids and predicts a molecular mass of 57 kDa. As a result of glycosylation, the apparent molecular mass of KIM1/Fc monomer is approximately 120-140 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

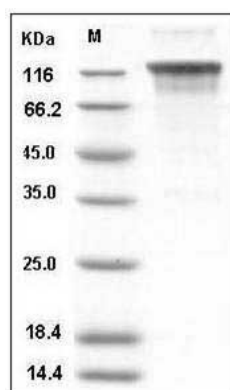
### Storage

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



Human KIM-1 / TIM1 / HAVCR1 Protein (His & Fc Tag) SDS-PAGE