

# Human KIM-1/TIM1/HACVR1 (aa 1-135, His Tag) recombinant protein



Catalog Number: 503114

## 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 N-terminal fragment (Met 1-Val 135) of human KIM1 (AAC39862.1) extracellular domain was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ser 21

### Molecular Mass

The recombinant human KIM1 (aa 1-135) comprises 143 amino acids and predicts a molecular mass of 15.8 kDa. As a result of glycosylation, the apparent molecular mass of KIM1 (aa 1-135) is approximately 22-26 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

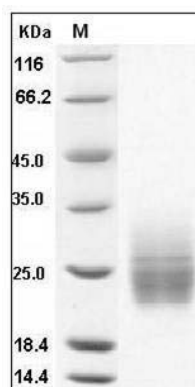
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 (aa 1-135, His Tag) SDS-PAGE