

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



Catalog Number: 503461

## General Information

### Gene Name Synonym

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

### Protein Construction

A DNA sequence encoding the extracellular domain of rat HAVCR1 (NP\_775172.1) (Ser 18-Val 238) was fused with a polyhistidine tag at the C-terminus and the Fc region of human IgG1 at the N-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Purity

> 93 % 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

Glu 20

### Molecular Mass

The recombinant rat HAVCR1/Fc is a disulfide-

linked homodimer. The reduced monomer comprises 468 amino acids and predicts a molecular mass of 52.6 kDa. As a result of glycosylation, the apparent molecular mass of the rat HAVCR1/Fc monomer is approximately 90-100 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

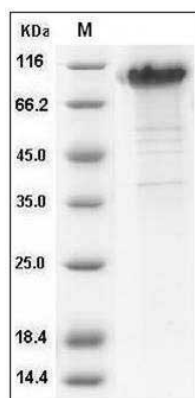
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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



Rat KIM-1 / TIM1 / HACVR1 Protein (His & Fc Tag) SDS-PAGE