

Human KIM-1/TIM1/HACVR1 recombinant protein



Catalog Number: 503829

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) with a C-terminal polyhistidine tag was expressed and purified.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 90 % 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

Ser 21

Molecular Mass

The secreted recombinant human KIM1 comprises 278 amino acids and predicts a molecular mass of 30 kDa. It migrates with the molecular weight in the range of 90-110 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

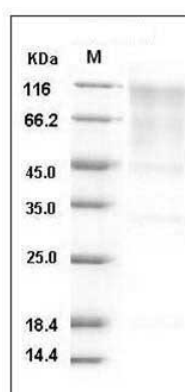
Storage

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 SDS-PAGE