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# Recombinant Mouse KIM-1 Protein(His Tag)

Catalog Number: PDMM100246

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

**Species** Mouse

Source HEK293 Cells-derived Mouse KIM-1 protein Tyr22-Thr212, with an C-terminal His

 Calculated MW
 20.9 kDa

 Observed MW
 38-45 kDa

 Accession
 Q5QNS5

Bio-activity Not validated for activity

#### **Properties**

**Purity** > 90% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -

80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

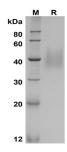
Formulation Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Mouse KIM-1 proteins, 2µg/lane of Recombinant Mouse KIM-1 proteins, was resolved with SDS-PAGE under reducing conditions, showing bands at 38-45 KD

### **Background**

TIM-1/KIM-1/HAVCR belongs to the immunoglobulin superfamily that cosisits 305 amino acid (aa). It is expressed by stimulated T-cells. TIM-1/KIM-1/HAVCR may play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4. And may have a role in kidney injury and repair. Belongs to the T-cell and airway phenotype regulator (Tapr) locus, a single chromosomal region that confers reduced T-helper type 2 responsiveness and protects against airway hyperactivity (AHR), the hallmark of human asthma.

## For Research Use Only

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