# Recombinant Mouse KIM-1 Protein(Halo Tag)

**Catalog Number: PDMM100247**

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

## Description

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| **Species** | Mouse |
| **Source** | Mammalian-derived Mouse KIM-1 protein Tyr22-Thr212, with an C-terminal Halo |
| **Calculated MW** | 54 kDa |
| **Observed MW** | 60-65 kDa |
| **Accession** | Q5QNS5 |
| **Bio-activity** | Not validated for activity |

## Properties

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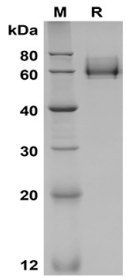
|---|---|
| **Purity** | > 95% as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU/mg of the protein as determined by the LAL method |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 60-65 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.