

# Cynomolgus TIM-1/HAVCR1 Protein

Cat. No. TIM-CM101

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Cynomolgus TIM-1/HAVCR1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val23-Gly342.        |
| <b>Accession</b>        | A0A2K5WXJ6  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 35.25 kDa. Due to glycosylation, the protein migrates to 100-150 kDa based on Tris-Bis PAGE result. |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

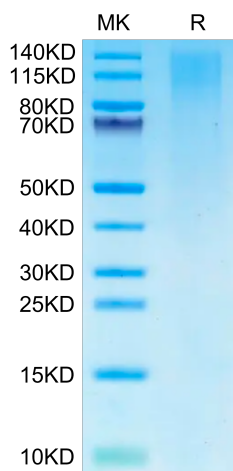
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.  |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Kidney injury molecule 1 (KIM-1, also known as TIM-1) is markedly upregulated in the proximal tubule after injury and is maladaptive when chronically expressed. KIM-1-mediated epithelial cell phagocytosis of apoptotic cells protects the kidney after acute injury by downregulating innate immunity and inflammation.

## Assay Data

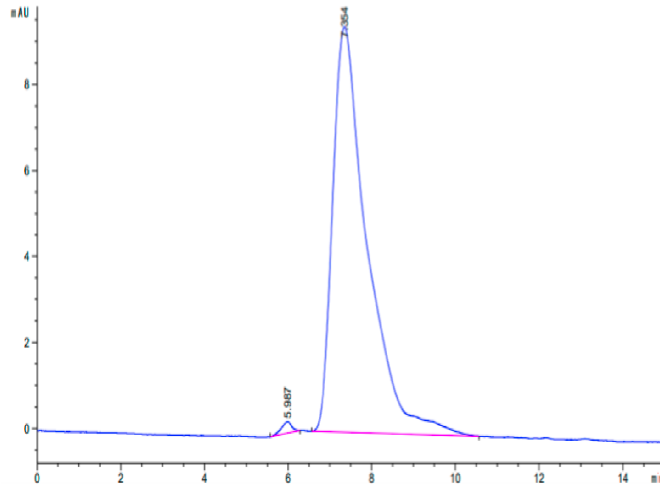
### Tris-Bis PAGE



Cynomolgus TIM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Cynomolgus TIM-1 is greater than 95% as determined by SEC-HPLC.