

# Recombinant mouse TIM-1/KIM-1/HAVCR protein

Catalog Number: ATGP3226

## PRODUCT INFORMATION

---

### Expression system

Baculovirus

### Domain

22-237aa

### UniProt No.

Q5QNS5

### NCBI Accession No.

NP\_599009

### Alternative Names

Hepatitis A virus cellular receptor 1 homolog, Kidney injury molecule 1, KIM-1, T cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T cell membrane protein 1, T-cell immunoglobulin mucin receptor 1, TIM-1, CD365

## PRODUCT SPECIFICATION

---

### Molecular Weight

24.4 kDa (222aa)

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

HAVCR1, also known as hepatitis A virus cellular receptor 1, belongs to the immunoglobulin superfamily. This protein plays critical roles in regulating immune cell activity especially regarding the host response to viral

## Recombinant mouse TIM-1/KIM-1/HAVCR protein

Catalog Number: ATGP3226

infection. It is receptor for TIMD4 and acts in kidney injury and repair. HAVCR1 is also involved in allergic response, asthma, and transplant tolerance. Recombinant mouse HAVCR1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

YVEVKGVVGH PVTLPCTYST YRGITTTTCWG RGQCPSSACQ NTLIWTNGHR VTYQKSSRYN LKGHISEGDV SLTIENSVES  
DSGLYCCRVE IPGWFNDQKV TFSLQVKPEI PTRPPTRPTT TRPTATGRPT TISTRSTHVP TSIRVSTSTP PTSTHTWTHK  
PEPTTFCPHE TTA EVTGIPS HTP TDWNGTV TSSGDTWSNH TEAIPPGKPQ KNPTKG<HHHH HH>

### General References

Meyers JH., et al. (2005) Nat. Immunol. 6(5):455-464.

Santiago C., et al. (2007) Immunity 26(3):299-310.

## DATA

### SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

