# Recombinant human TIM-3/HAVCR2 protein

Catalog Number: ATGP3381

## PRODUCT INFORMATION

**Expression system**
Baculovirus

**Domain**
22-202aa

**UniProt No.**
Q8TDQ0

**NCBI Accession No.**
NP_116171

**Alternative Names**
Hepatitis A virus cellular receptor 2, HAVCR2, HAVcr-2, KIM-3, Tim-3, TIM3, TIMD-3, TIMD3, FLJ14428, HAVcr-2, Havcr2, HAVR2_HUMAN, Hepatitis A virus cellular receptor 2, Kidney injury molecule 3, KIM 3, KIM3, T cell immunoglobulin and mucin domain containing 3, T cell immunoglobulin mucin 3, T-cell immunoglobulin and mucin domain-containing protein 3, T-cell immunoglobulin mucin family member 3, T-cell immunoglobulin mucin receptor 3, T-cell membrane protein 3, Tim 3, TIM-3, TIM3, TIMD-3, TIMD3

## PRODUCT SPECIFICATION

**Molecular Weight**
47.3 kDa (423aa)

**Concentration**
0.5mg/ml (determined by absorbance at 280nm)

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

**Purity**
> 85% by SDS-PAGE

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

**Tag**
hIgG-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

# Recombinant human TIM-3/HAVCR2 protein

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## Description

HAVCR2, also known as hepatitis A virus cellular receptor 2, is a transmembrane glycoprotein expressed on the surface of terminally differentiated Th1 cells but not on Th2 cells. It was the first surface molecule that specificallyidentifies Th1 cells in both mice and human. It interactions with Galectin-9 can alternatively trigger immune stimulatory effects, such as the coactivation of NK cell cytotoxicity. Recombinant human HAVCR2, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

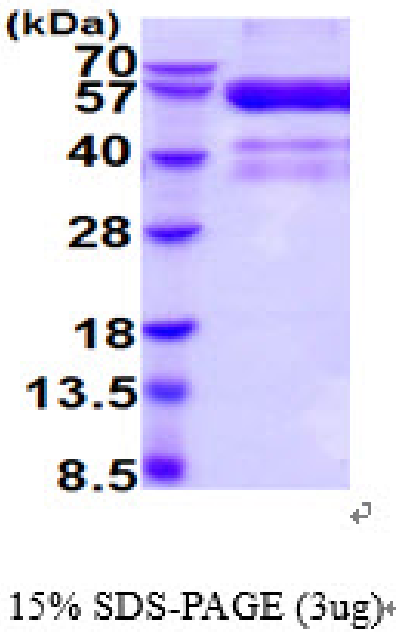
ADLSEVEYRA EVGQNAYLPC FYTPAAPGNL VPVCWGKGAC PVFECGNVVL RTDERDVNYW TSRYWLNGDF RKGDVSLTIE NVTLADSGIY CCRIQIPGIM NDEKFNLKLV IKPAKVTPAP TRQRDFTAAF PRMLTTRGHG PAETQTLGSL PDINLTQIST LANELRDSRL ANDLRDSGAT IRIGLEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH

## General References

Geng H., et al. (2006) J Immunol. 176:1411-1420.
Anderson AC., et al. (2006) Curr Opin Immunol. 18:665-669.

## DATA

### SDS-PAGE




15% SDS-PAGE (3ug).

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