

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 specifically identifies Th1 cells in both mice and human. Its interactions with Galectin-9 can alternatively trigger immune stimulatory effects, such as the coactivation of NK cell cytotoxicity. Recombinant human HAVCR2, fused to IgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

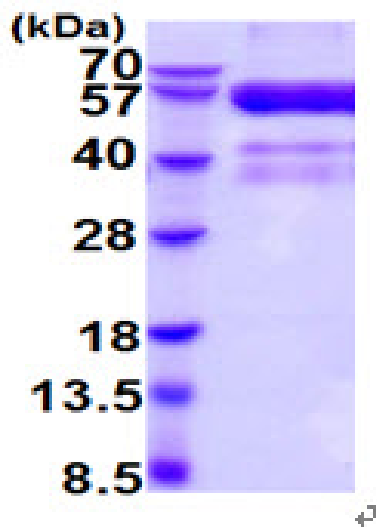
ADLSEVEYRA EVGQNAYLPC FYTPAAPGNL VPVCWVGKAC PVFECGNVVL RTDERDVNYW TSRYWLNQDF RKGDVSLTIE
NVTLADSGIY CCRIQIPGIM NDEKFNLLV IKPAKVTAP TRQRDFTAAF PRMLTTRGHG PAETQTLGSL PDINLTQIST
LANELRDSRL ANDLRDSGAT IRIGLEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED
PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT
LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS 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



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

15% SDS-PAGE (3ug)+