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

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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

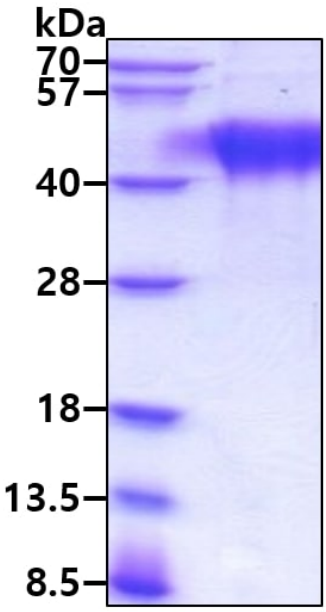
YVEVKGVVGH PVTLPCTYST YRGITTTCWG RGQCPSSACQ NTLIWTNGHR VTYQKSSRYN LKGHISEGDV SLTIENSVES DSGLYCCRVE IPGWFNDQKV TFSLQVKPEI PTRPPTRPTT TRPTATGRPT TISTRSTHVP TSIRVSTSTP PTSTHTWTHK PEPTTFCPHE TTAEVTGIPS HTPTDWNGTV TSSGDTWSNH TEAIPPGKPQ KNPTKG<HHHH HH>

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.