

Kidney Injury Molecule 1 (Kim1) Protein | Kim1 protein

Eukaryotic Kidney Injury Molecule 1 (Kim1)

CATALOG # AAA150598	HOST 293F cell	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Kidney Injury Molecule 1 (Kim1); Eukaryotic Kidney Injury Molecule 1 (Kim1); Kidney Injury Molecule 1; HAVCR1; TIM1; TIMD1; HAVCR; Hepatitis A Virus Cellular Receptor 1; T Cell Immunoglobulin And Mucin Domain-Containing Protein 1; T-cell immunoglobulin mucin receptor 1; Kim1 protein

PRODUCT SPECIFICATIONS

Host	293F cell
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 5% Trehalose.
Concentration	Original Concentration: 80ug/mL (varies by lot)
Applicable Applications for Kim1 protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Eukaryotic expression
Residues	Tyr22~Gly237
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	8.7
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affect the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

Identification

Figure. Gene sequencing (extract)

SDS-PAGE

Figure. SDS-PAGE

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for Kim1 protein	Tumor immunity; Infection immunity; Kidney biomarker; Eukaryotic proteins/EP
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262231823
NCBI GeneID	171283
NCBI Accession #	NP_001160103.1
NCBI GenBank Nucleotide #	NM_001166631.1
UniProt Accession #	Q5QNS5; Q7TPU2; Q8VIM1; Q8VIM2
Molecular Weight	Predicted Molecular Mass: 25.3kDa Accurate Molecular Mass: 56kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	hepatitis A virus cellular receptor 1 homolog isoform b
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	Havcr1
NCBI Official Synonym Symbols	Tim1; KIM-1; TIM-1; Timd1; AI503787
NCBI Protein Information	hepatitis A virus cellular receptor 1 homolog
UniProt Protein Name	Hepatitis A virus cellular receptor 1 homolog
UniProt Gene Name	Havcr1
UniProt Synonym Gene Names	Kim1; Tim1; Timd1; HAVcr-1; KIM-1; TIMD-1; TIM-1
UniProt Entry Name	HAVR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.