

T-Cell Immunoglobulin And Mucin Domain Containing Protein 4 (TIMD4) Recombinant Protein | TIMD4 recombinant protein

Recombinant T-Cell Immunoglobulin And Mucin Domain Containing Protein 4 (TIMD4)

CATALOG # AAA149301	HOST E. coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

T-Cell Immunoglobulin And Mucin Domain Containing Protein 4 (TIMD4); Recombinant T-Cell Immunoglobulin And Mucin Domain Containing Protein 4 (TIMD4); TIM4; T-cell membrane protein 4; T-cell immunoglobulin mucin receptor 4; TIMD4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 80ug/mL (varies by lot)
Applicable Applications for TIMD4 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu25~Gln314
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.5
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 affects 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 ddH2O 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

SDS-PAGE



Sequence



Gene Sequence

Gene Sequencing (extract)



NCBI AND UNIPROT INFORMATION

NCBI GI #	226529863
NCBI GeneID	91937
NCBI Accession #	NP_612388.2
NCBI GenBank Nucleotide #	NM_138379.3
UniProt Accession #	Q96H15
Molecular Weight	Predicted Molecular Mass: 35.0kDa Accurate Molecular Mass: 40kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	T-cell immunoglobulin and mucin domain-containing protein 4 isoform 1
NCBI Official Synonym Full Names	T cell immunoglobulin and mucin domain containing 4
NCBI Official Symbol	TIMD4
NCBI Official Synonym Symbols	TIM4; SMUCKLER
NCBI Protein Information	T-cell immunoglobulin and mucin domain-containing protein 4
UniProt Protein Name	T-cell immunoglobulin and mucin domain-containing protein 4
UniProt Gene Name	TIMD4
UniProt Synonym Gene Names	TIM4; TIMD-4; TIM-4
UniProt Entry Name	TIMD4_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/timd4-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/149301>