TIM4 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	TIM4, Recombinant Protein
Full Product Name	Recombinant Human TIM4 Protein
Product Gene Name	TIM4 recombinant protein
Product Synonym Gene Name	TIMD4
Product Synonym Names	TIM4; T-cell immunoglobulin and mucin domain-containing protein 4; TIMD-4; T-cell immunoglobulin mucin receptor 4; TIM-4; T-cell membrane protein 4
Sequence	ETVVTEVLGH RVTLPCLYSS WSHNSNSMCW GKDQCPYSGC KEALIRTDGM RVTSRKSAKY RLQGTIPRGD VSLTILNPSE SDSGVYCCRI EVPGWFNDVK INVRLNLQRA STTTHRTATT TTRRTTTTSP TTTRQMTTTP AALPTTVVTT PDLTTGTPLQ MTTIAVFTTA NTCLSLTPST LPEEATGLLT PEPSKEGPIL TAESETVLPS DSWSSAESTS ADTVLLTSKE SKVWDLPSTS HVSMWKTSDS VSSPQPGASD TAVPEQNKTT KTGQMDGIPM SMKNEMPISQ LHHHHHH
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of PBS, pH7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
OMIM	610096
3D Structure	ModBase 3D Structure for Q96H15
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for TIM4 recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for TIM4 recombinant protein	Recombinant Human TIM4 Protein is produced by mammalian expression system and the target gene encoding Glu25-Leu315 is expressed with a 6His tag at the C-terminus.
Other Notes	Small volumes of TIM4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TIM4 purchase	MBS8305114 is a recombinant protein targeting TIM4. Also known as Recombinant Human TIM4 Protein. Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIM4. It may not necessarily be applicable to this product.

NCBI GI #	226529863
NCBI GeneID	91937
NCBI Accession #	NP_612388
UniProt Primary Accession #	Q96H15
UniProt Related Accession #	Q96H15

GenBank Nucleotide #	NP_612388.2
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
UniProt Protein Name	T-cell immunoglobulin and mucin domain-containing protein 4
UniProt Synonym Protein Names	T-cell immunoglobulin mucin receptor 4; TIM-4; T-cell membrane protein 4
UniProt Gene Name	TIMD4
UniProt Synonym Gene Names	TIM4; TIMD-4; TIM-4
UniProt Entry Name	TIMD4_HUMAN
NCBI Protein Information	T-cell immunoglobulin and mucin domain-containing protein 4
UniProt Comments for TIM4	TIM-4: Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Involved in regulating T-cell proliferation and lymphotoxin signaling. Ligand for HAVCR1/TIMD1. Belongs to the immunoglobulin superfamily. TIM family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 5q33.3 Cellular Component: integral to membrane
Research Articles on TIM4	**1.** These findings suggest that the TIMD4-HAVCR1 variants may be the genetic risk factors for coronary heart disease and ischemic stroke
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