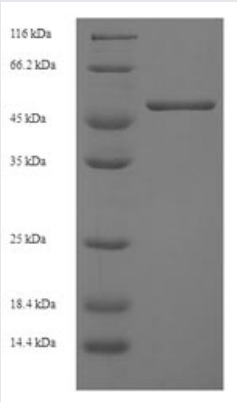
H-2 Class I Histocompatibility Antigen, D-D Alpha Chain (H2-D1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	H-2 class I histocompatibility antigen, D-D alpha chain (H2-D1), Recombinant Protein
Full Product Name	Recombinant Mouse H-2 class I histocompatibility antigen, D-D alpha chain (H2-D1), partial
Product Gene Name	H2-D1 recombinant protein
Sequence	GSHSLRYFVT AVSRPGFGEP RYMEVGYVDN TEFVRFDSDA ENPRYEPRAR WIEQEGPEYW ERETRRAKGN EQSFRVDLRT ALRYYNQSAG GSHTLQWMAG CDVESDGRLL RGYWQFAYDG CDYIALNEDL KTWTAADMAA QITRRKWEQA GAAERDRAYL EGECVEWLRR YLKNGNATLL RTDPPKAHVT HHRRPEGDVT LRCWALGFYP ADITLTWQLN GEELTQEMEL VETRPAGDGT FQKWASVVVP LGKEQKYTCH VEHEGLPEPL TLRWGKEEPP SSTKTNT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	35.2 kDa
Sequence Positions	25-311. Partial, covers the complete extracellular domain.
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P01900
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for H2-D1 recombinant protein	MBS1261326 is a recombinant protein targeting H2-D1. Also known as Recombinant Mouse H-2 class I histocompatibility antigen, D-D alpha chain (H2-D1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. Involved in the presentation of foreign antigens to the immune system.
Other Notes	Small volumes of H2-D1 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.



SDS-PAGE of H2-D1 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2-D1. It may not necessarily be applicable to this product.

NCBI GeneID	102641613
NCBI Accession #	XP_006544866.1
UniProt Primary Accession #	P01900
NCBI Official Symbol	LOC102641613
UniProt Protein Name	H-2 class I histocompatibility antigen, D-D alpha chain
Protein Family	H-2 class I histocompatibility antigen
UniProt Gene Name	H2-D1
UniProt Synonym Gene Names	H-2D(D)
UniProt Entry Name	HA12_MOUSE
NCBI Protein Information	H-2 class I histocompatibility antigen, D-D alpha chain; MHC class I antigen
UniProt Comments for H2-D1	HLAC iso23: Involved in the presentation of foreign antigens to the immune system. Belongs to the MHC class I family. Protein type: Membrane protein, integral; Receptor, misc. Cellular Component: cell surface; endoplasmic reticulum; external side of plasma membrane; Golgi apparatus; Golgi medial cisterna; integral to membrane; lipid raft; membrane; MHC class I protein complex; plasma membrane Molecular Function: beta-2-microglobulin binding; peptide antigen binding; peptide binding; protein binding; protein heterodimerization activity; receptor binding; T cell receptor binding; TAP binding Biological Process: antigen processing and presentation; antigen processing and presentation of endogenous peptide antigen via MHC class I via ER pathway, TAP-dependent; antigen processing and presentation of peptide antigen via MHC class I; immune response; immune system process; positive regulation of T cell mediated cytotoxicity
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