H-2 Class II Histocompatibility Antigen, E-D Beta Chain (H2-EB1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	H-2 class II histocompatibility antigen, E-D beta chain (H2-Eb1), Recombinant Protein
Full Product Name	Recombinant Mouse H-2 class II histocompatibility antigen, E-D beta chain, partial
Product Gene Name	H2-Eb1 recombinant protein
Sequence	PRFLEYVTS ECHFYNGTQH VRFLERFIYN REENLRFDSD VGEYRAVTEL GRPDAENWNS QPEILEDARA SVDTYCRHNY EISDKFLVRR RVEPTVTVYP TKTQPLEHHN LLVCSVSDFY PGNIEVRWFR NGKEEETGIV STGLVRNGDW TFQTLVMLET VPQSGEVYTC QVEHPSLTDP VTVEWKAQST SAQNK
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	30,049 Da
Sequence Positions	32-225
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 P01915
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for H2-Eb1 recombinant protein	MBS1166203 is a recombinant protein targeting H2-Eb1. Also known as Recombinant Mouse H-2 class II histocompatibility antigen, E-D beta chain, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of H2-Eb1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2-Eb1. It may not necessarily be applicable to this product.

NCBI GI #	122228
NCBI GeneID	14969
NCBI Accession #	P01915.1
UniProt Primary Accession #	P01915
UniProt Related Accession #	P01915; P04230; P04231; P18468; P18469; P20040
NCBI Official Full Name	H-2 class II histocompatibility antigen, E-D beta chain

NCBI Official Synonym Full Names	histocompatibility 2, class II antigen E beta
NCBI Official Symbol	H2-Eb1
NCBI Official Synonym Symbols	Eb; Ia4; H2Eb; Ia-4; H-2Eb
UniProt Protein Name	H-2 class II histocompatibility antigen, E-D beta chain
Protein Family	H-2 class II histocompatibility antigen
NCBI Protein Information	H-2 class II histocompatibility antigen, I-E beta chain
UniProt Comments for H2-Eb1	MiscellaneousThe structure of the E beta gene is more similar to class I MHC genes than to class II, in that, unlike either the E alpha or DR alpha genes, (1) the core portion of the E beta cytoplasmic segment is encoded by its own exon and (2) the sixth exon of the E beta chain is not split into two exons, but rather encodes both the carboxyl end of the cytoplasmic segment and the entire 3'-UTR.
Research Articles on H2-Eb1	**1.** may play an important role in regulating Th1/Th2 balance during the pathogenesis of allergic rhinitis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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