

H-2 class II histocompatibility antigen gamma chain Recombinant Protein | Cd74 recombinant protein

Recombinant Mouse H-2 class II histocompatibility antigen gamma chain

CATALOG # AAA113359	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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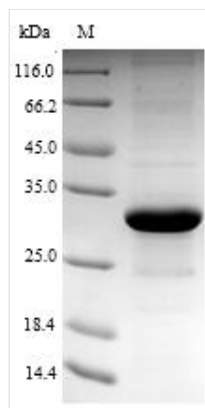
PRODUCT SYNONYMS

H-2 class II histocompatibility antigen gamma chain; Recombinant Mouse H-2 class II histocompatibility antigen gamma chain; Ia antigen-associated invariant chain; IiMHC class II-associated invariant chain; CD74; Cd74 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	56-279aa; Extracellular Domain
Sequence	QQQGRLDKLT ITSQNLQLES LRMKLPKSAK PVSQMRMATP LLMRPMSMDN MLLGPVKNVT KYGNMTQDHV MHLLTRSGPL EYPQLKGTFP ENLHLKNSM DGVNWKIFES WMKQWLLFEM SKNSLEEKKP TEAPPKVLTK CQEEVSHIPA VYPGAFRPKC DENGNYLPLQ CHGSTGYCWC VFPNGTEVPH TKSRGRHNCS EPLDMEDLSS GLGVTRQELG QVTI
Sequence Length	215
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Cd74 recombinant protein	Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to compartments where peptide loading of class II takes place.
References	Primary structure of the gene for the murine Ia antigen-associated invariant chains (Ii) . An alternatively spliced exon encodes a cysteine-rich domain highly homologous to a repetitive sequence of thyroglobulin.Koch N., Lauer W., Habicht J., Dobberstein B.EMBO J. 6:1677-1683(1987) Complete sequence of the murine invariant chain (Ii) gene.Zhu L., Jones P.P.Nucleic Acids Res. 17:447-448(1989) Nucleotide sequences of the murine Ia-associated invariant chain (Ii) and I-E (H-2S, Beta) chain expressible cDNA clones.Stone J., Perry R., Todd J.A., McDevitt H.O. The IFN-gamma response of the murine invariant chain gene is mediated by a complex enhancer that includes several MHC class II consensus elements.Eades A.-M., Litfin M., Rahmsdorf H.J.J. Immunol. 144:4399-4409(1990) Structure of the murine Ia-associated invariant (Ii) chain as deduced from a cDNA clone.Singer P.A., Lauer W., Dembic Z., Mayer W.E., Lipp J., Koch N., Hammerling G., Klein J., Dobberstein B.EMBO J. 3:873-877(1984) Identification of the glycosaminoglycan-attachment site of mouse invariant-chain proteoglycan core protein by site-directed mutagenesis.Miller J., Hatch J.A., Simonis S., Cullen S.E.Proc. Natl. Acad. Sci. U.S.A. 85:1359-1363(1988) The phagosomal proteome in interferon-gamma-activated macrophages.Trost M., English L., Lemieux S., Courcelles M., Desjardins M., Thibault P.Immunity 30:143-154(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	110624770
NCBI GeneID	16149
NCBI Accession #	NP_001036070.1
NCBI GenBank Nucleotide #	NM_001042605.1
UniProt Accession #	P04441; O19452
Molecular Weight	29.4 kDa
NCBI Official Full Name	H-2 class II histocompatibility antigen gamma chain isoform 1
NCBI Official Synonym Full Names	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)
NCBI Official Symbol	Cd74
NCBI Official Synonym Symbols	Ii; CLIP; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	H-2 class II histocompatibility antigen gamma chain
UniProt Protein Name	H-2 class II histocompatibility antigen gamma chain
UniProt Gene Name	Cd74
UniProt Synonym Gene Names	Ii; li
UniProt Entry Name	HG2A_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.