

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

Recombinant Rat H-2 class II histocompatibility antigen gamma chain

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| CATALOG #<br><b>AAA113137</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

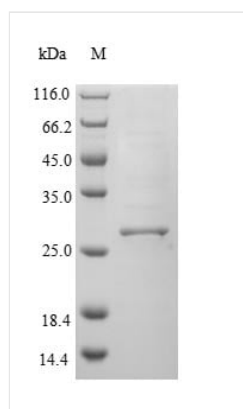
### PRODUCT SYNONYMS

H-2 class II histocompatibility antigen gamma chain; Recombinant Rat 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      | 57-280aa; Extracellular Domain                                                                                                                                                                                                                                  |
| Sequence                | QQQGRLDKLT VTSQNLQLEN LRMKLPKSAK PVSPMRMATP LLMRPLSMDN MLQAPVKNVT KYGNMTQDHV<br>MHLLTKSGPV NYPQLKGSFP ENLKHLKNSM NGLDWKVFES WMKQWLLFEM SKNSLEEKQP QTTPPKVLTK<br>CQEEVSHIPD VHPGAFRPKC DENGNYMPLQ CHGSTGYCWC VFPNGTEVPH TKSRGRHNCS EPLDMEDPSS<br>GLGVTKQDMG QMFL |
| Sequence Length         | 216                                                                                                                                                                                                                                                             |
| 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

|                                                          |                                                                                                                                                                                                                                                                                                    |
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| 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 | Sequence of a rat MHC class II-associated invariant chain cDNA clone containing a 64 amino acid thyroglobulin-like domain.McKnight A.J., Mason D.W., Barclay A.N.Nucleic Acids Res. 17:3983-3984(1989) Nucleotide sequence of rat invariant gamma chain cDNA clone pLR gamma 34.3.Henkes W., Syha J., Reske K.Nucleic Acids Res. 16:11822-11822(1988) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 6978637                                             |
| NCBI GeneID                      | 25599                                               |
| NCBI Accession #                 | NP_037201.1                                         |
| NCBI GenBank Nucleotide #        | NM_013069.2                                         |
| UniProt Accession #              | P10247                                              |
| Molecular Weight                 | 29.5 kDa                                            |
| NCBI Official Full Name          | H-2 class II histocompatibility antigen gamma chain |
| NCBI Official Synonym Full Names | CD74 molecule                                       |
| NCBI Official Symbol             | Cd74                                                |
| NCBI Official Synonym Symbols    | INVG34                                              |
| 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                | <b>Cd74</b>                                         |
| UniProt Synonym Gene Names       | li                                                  |
| UniProt Entry Name               | HG2A_RAT                                            |

**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.