

Recombinant Human CD74

Cat. No. CD74-2229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD74 encoding full-length Human CD74 was expressed in Wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Aβ). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Sequence	MHRRRSRSCREDQKPVMDQQRDLISNNEQLPMLGRRPGAPESKCSR GALYTGFSI LVTL LLAGQATTAYFLYQQGRLDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMAT PLLMQALPMGALPQGPMQNA TKYGNMTE DHVMHLLQSHWNWRTRLLGWV
MW (kDa)	18.3
Form	Liquid
Applications	Antibody Production; Functional Study; Compound Screening

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Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name CD74 CD74 molecule, major histocompatibility complex, class II invariant chain [Homo sapiens]

Official Symbol CD74

Synonyms CD74 molecule, major histocompatibility complex, class II invariant chain; DHLAG; HLADG; Ia-GAMMA; CD74; HLA class II histocompatibility antigen gamma chain; ii; p33; HLA-DR-gamma; MHC HLA-DR gamma chain; Ia-associated invariant chain; gamma chain of class II antigens; ia antigen-associated invariant chain; HLA-DR antigens-associated invariant chain; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated); CD74 antigen

Gene ID 972

mRNA Refseq NM_004355

Protein Refseq NP_004346

MIM 142790

UniProt ID P04233

Chromosome Location 5q32

Pathway Antigen processing and presentation

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Function

MHC class II protein binding; beta-amyloid binding; cytokine binding; cytokine receptor activity; identical protein binding

PDB rendering based on 1icf.



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