

Recombinant Human CD74, GST-Tagged

Cat. No. CD74-2230H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD74 encoding full-length human CD74 (1a.a. - 160 a.a.) , fused a GST-tag at N-terminal, 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 (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Sequence	MHRRRSRSCREDQKPVMDDQRDLISNNEQLPMLGRRPGAPESKCSRGALYTGFSLVLTLLAGQATTAYFLYQQQGRDLKLTVTSQNLQLENLRMKLPKPPKPVSKMRMAT PLLMQALPMGALPQGPMQNATKYGNMTEDHVMHLLQSHWNWRTRLLGWV
MW (kDa)	43.34
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow

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Applications	Antibody Production; Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Protein Array
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

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Pathway Antigen processing and presentation

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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