

Recombinant Human CD74, Myc-DDK-Tagged

Cat. No. CD74-2228H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Homosapiens CD74 molecule, major histocompatibility complex, class II invariant chain (CD74), transcript variant 1
Species	Human
Source	HEK293
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.
Tags	C-terminal Myc/DDK
Molecular weight	33.3 kDa
Endotoxin	< 0.1 EU per 1 µg of the protein by the LAL
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Concentration	> 50 ug/ml as determined by BCA.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store at -80oC. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.

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; DHLA; 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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