

Recombinant Human CD74 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD74-1892H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD74 MS Standard C13 and N15-labeled recombinant protein (NP_001020330) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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 (Aβ). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Mass	33.3 kDa
AA Sequence	MHRRRSRSCREDQKPVMDDQRDLISNNEQLPMLGRRPGAPESKCSR GALYTGFSLVTL LLAGQATTAYFLYQQQGR LDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMAT PLLMQALPMGALPQGPMQ NATKYGNMTE DHVMHLLQNADPLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRHSLEQKPTDAPPKVLTKCQEEVSHIPAVHPGSFRPKCDENGNYLPLQCYGSIGYCWCVFPNGTEVPNTRSRGHHNCSESLEL

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EDPSSGLGVTKQDLGPVPMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CD74 CD74 molecule [Homo sapiens (human)]

Official Symbol CD74

Synonyms

CD74; CD74 molecule, major histocompatibility complex, class II invariant chain; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen associated), DHLAG; HLA class II histocompatibility antigen gamma chain; gamma chain of class II antigens; HLA DR gamma; Ia associated invariant chain; MHC HLA DR gamma chain; p33; HLA-DR-gamma; MHC HLA-DR gamma chain; Ia-associated invariant chain; HLA-DR antigens-associated invariant chain; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated); II; DHLAG; HLADG; Ia-GAMMA; FLJ98970;

Gene ID 972

mRNA Refseq NM_001025159

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Protein Refseq NP_001020330

MIM 142790

UniProt ID P04233

SDS-PAGE



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