

Recombinant Full Length Human CD74 Protein, C-Flag-tagged

Cat. No. CD74-1283HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD74 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.3 kDa
AA Sequence	MHRRRSRSCREDQKPVMDDQRD LISNNEQLPMLGRRPGAPESKCSR GALYTGFSLVTLLLAGQATTAYF LYQQQGRLDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMAT PLLMQALPMGALPQGPMQNATKYGNMTED HVMHLLQNADPLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRHSLEQKPTDAPPKVL TKCQEEVSHIP AVHPGSFRPKCDENGNYLPLQCYGSIGYCWCVFPNGTEVPNTRSRGHHNCSESLE

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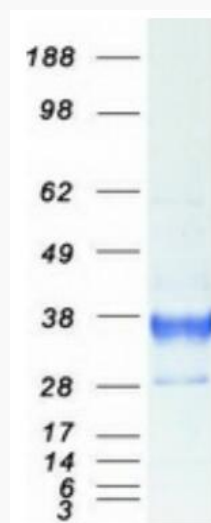
	LEDP SSGLGVTKQDLGPVPMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Antigen processing and presentation
Full Length	Full L.
GENE INFORMATION	
Gene Name	CD74 CD74 molecule [Homo sapiens (human)]
Official Symbol	CD74
Synonyms	II; p33; CLIP; DHLAG; HLADG; Ia-GAMMA
Gene ID	972

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mRNA Refseq	NM_001025159.3
Protein Refseq	NP_001020330.1
MIM	142790
UniProt ID	P04233



Coomassie blue staining of purified CD74 protein.