

Product datasheet for **TP312964M**

DHLAG (CD74) (NM_001025159) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human CD74 molecule, major histocompatibility complex, class II invariant chain (CD74), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212964 representing NM_001025159 Red =Cloning site Green =Tags(s)
	MHRRRSRSCREDQKPVMDQQRDLISNNEQLPMLGRRPGAPESKCSRGALYTGFSILVTL LLAGQATTAYF LYQQQGRDLKLTVTSQNLQLENLRMKLPKPPKPVSKMRMATPLLMQALPMGALPQGPMQNATKYGNMTE HVMHLLQNADPLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRHSLEQKPTDAPPKVL TKCQEEVSHIPAVHPGSFRPKCDENGNLPLQCYGSIGYCWCVFPNGTEVPNTRSRGHHNCSESLELED SSGLGVTKQDLGPVPM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	33.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001020330</u>
Locus ID:	972



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UniProt ID: [P04233](#)

RefSeq Size: 1519

Cytogenetics: 5q33.1

RefSeq ORF: 888

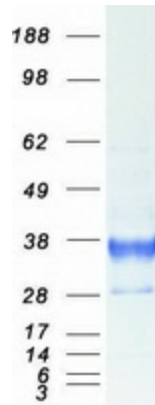
Synonyms: DHLAG; HLADG; Ia-GAMMA; II; p33

Summary: 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. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Antigen processing and presentation

Product images:



Coomassie blue staining of purified CD74 protein (Cat# [TP312964]). The protein was produced from HEK293T cells transfected with CD74 cDNA clone (Cat# [RC212964]) using MegaTran 2.0 (Cat# [TT210002]).