

Product datasheet for PH312964

DHLAG (CD74) (NM_001025159) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD74 MS Standard C13 and N15-labeled recombinant protein (NP_001020330)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212964
Predicted MW:	33.3 kDa
Protein Sequence:	>RC212964 representing NM_001025159 Red=Cloning site Green=Tags(s) MHRRRSRSCREDQKPVMDQDRDLISNNEQLPMLGRRPGAPESKCSR GALYTGFSILVTL LLAGQATTAYF LYQQQGR LDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMATPLL MQALPMGALPQGP M QNATKYGNMTE HYMHLLQNADPLKVYPP LKGSFPENLRHLKNTMETIDWKVFESWMHHLWFEMSRHSLEQKPTDAPPKVL TKCQEEVSHIPAVHPGSFRPKCDENGNLPLQCYGSIGYCWCVFPNGTEVPNTRSRGHHNCSESELEEDP SSGLGVTKQDLGPVPM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001020330</u>
RefSeq Size:	1519
RefSeq ORF:	888
Synonyms:	DHLAG; HLADG; Ia-GAMMA; II; p33
Locus ID:	972



[View online »](#)

UniProt ID: [P04233](#)

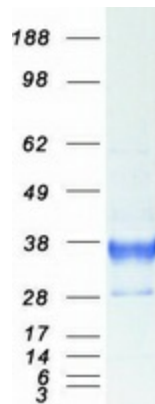
Cytogenetics: 5q33.1

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]).