

Active Recombinant Human CD74 Protein, HA-tagged

Cat. No. CD74-546H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD74 (Accession # NP_004346) Gln73-Met232, fused with an N-terminal HA (YPYDVPDYA) tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Gln73-Met232
Predicted N Terminal	Tyr
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of HeLa human cervical epithelial carcinoma cells. When 5×10^4 cells per well are added to Recombinant Human CD74 coated plates, cell adhesion is enhanced in a dose dependent manner. The ED50 for this effect is typically 0.6 - 3 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human CD74, HA-tagged has a calculated MW of 19.3 kDa. In SDS-PAGE migrates as 30-35 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution Reconstitute at 100 µg/mL in 4 mM HCl containing 0.1% bovine serum albumin.

GENE INFORMATION

Gene Name CD74 CD74 molecule, major histocompatibility complex, class II invariant chain [Homo sapiens]

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_001025158

Protein Refseq NP_001020329

MIM 142790

UniProt ID P04233

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Chromosome	5q31-q33
Location	

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