Recombinant human CD74 protein

Catalog Number: ATGP2104

PRODUCT INFORMATION

Expression system
E.coli

Domain
73-232aa

UniProt No.
P04233

NCBI Accession No.
NP_004346.1

Alternative Names
HLA class II histocompatibility antigen gamma chain isoform b, DHLAG, HLADG, Ia-GAMMA, II

PRODUCT SPECIFICATION

Molecular Weight
20.6 kDa (183aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
HLA class II histocompatibility antigen gamma chain isoform b, also known as CD74, is a transmembrane protein which, on antigen presenting cells, is the invariant chain that chaperones MHC class II dimers from the endoplasmic reticulum to the cell surface. CD74 is expressed by cells of both T lymphocyte and B lymphocyte lineages. It is upregulated in several cancers and is also expressed by nonimmune cells during inflammation.

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Recombinant human CD74 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

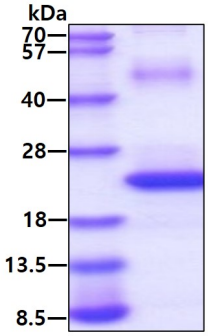
<MGSSHHHHHH SSGLVPRGSH MGS>QQQGRLD KLTVTSQNLQ LENLRMKLPK PPKPVSKMRM ATPLLMQALP MGALPQGPMQ NATKYGNMTE DHVMHLLQNA DPLKVYPPLK GSFPENLRHL KNTMETIDWK VFESWMHHWL LFEMSRHSLE QKPTDAPPKE SLELEDPSSG LGVTKQDLGP VPM

General References

Wilson K M., et al. (1993) Immunology. 79:331-335
Henne C., et al. (1995) Immunology. 84:177-182.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.