

# Recombinant Mouse CD74 Protein (mFc & His Tag)

Catalog Number:PKSM041039



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

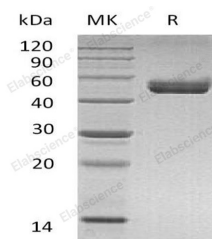
## Description

<b>Synonyms</b>	Cluster of Differentiation 74;CD74 antigen;CD74 molecule;major histocompatibility complex;class II invariant chain;DHLA $\gamma$ chain of class II antigens;HLA class II histocompatibility antigen gamma chain;HLADG;HLA-DR antigens-associated invariant chain;HLA-DR-gamma;Ia antigen-associated invariant chain;Ia-associated invariant chain;Ia-GAMMA;MHC HLA-DR gamma chain;CD74;DHLA $\gamma$ ;HLADG;Ia-gamma;INVG34;
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln56-Leu215
<b>Accession</b>	P04441-2
<b>Calculated Molecular Weight</b>	44.5 kDa
<b>Observed molecular weight</b>	45-55 kDa
<b>Tag</b>	C-mFc-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Mouse HLA class II histocompatibility antigen gamma chain (CD74), is a single-pass type II membrane protein that in humans is encoded by the CD74 gene. It contains 1 thyroglobulin type-1 domain. CD74 Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to compartments where peptide loading of class II takes place.

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