

Human CD74 (His Tag) recombinant protein



Catalog Number: 502655

General Information

Gene Name Synonym

HLA-DR antigens-associated invariant chain; Ia antigen-associated invariant chain; p33

Protein Construction

A DNA sequence encoding the extracellular domain (Gln 73-Met 232) of human CD74 isoform b (NP_004346.1) was fused with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD74 at 5 µg/ml (100 µl/well) can bind biotinylated human CTSL1 with a linear range of 3.2-400 ng/ml.

Purity

> 80 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Val 19

Molecular Mass

The recombinant human CD74 consists of 176 amino acids and has a calculated molecular mass of 20.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD74 is approximately 34 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

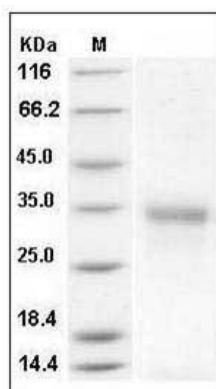
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CD74 Protein (His Tag) SDS-PAGE