

Recombinant Human CD72 Protein

Catalog No.: RP02847 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	971	P21854

Tags

C-hFc

Synonyms

CD72;CD72b;LYB2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
55.51 kDa	58-66 kDa

Endotoxin

<1EU/μg


Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

B-Cell Differentiation Antigen CD72 (CD72) is a single-pass type II membrane protein. CD72 exists as a disulfide-linked homodimer and contains one C-type lectin domain. CD72 is expressed on B lineage cells, NK cells, monocytes, dendritic cells, and mast cells. CD72 is a ligand for CD5. CD72 associates with CD5, interacts with PTPN6/SHP-1 and plays a role in B-cell proliferation and differentiation. CD72 associates with CD79A in the B cell antigen receptor (BCR) complex following antigen stimulation and dampens BCR signaling through interactions with the phosphatase SHP-1.

Basic Information

Description

Recombinant Human CD72 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg117-Asp359) of human CD72 (Accession #NP_001773.1) fused with a hFc tag at the C-terminus.

Bio-Activity

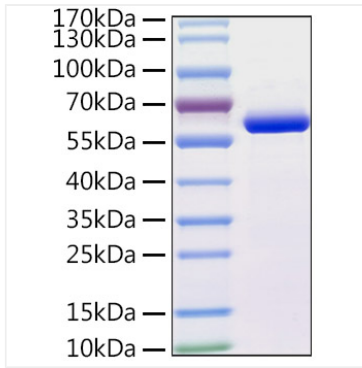
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human CD72 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 58 kDa.