

CD72 Protein, Human (N-Trx-6His)

Cat. No.:	HY-P72711
Synonyms:	B-cell differentiation antigen CD72; Lyb-2; CD72
Species:	Human
Source:	E. coli
Accession:	P21854 (R117-C226)
Gene ID:	971
Molecular Weight:	26-35 kDa

PROPERTIES

AA Sequence	<p> R Y L Q V S Q Q L Q Q T N R V L E V T N S S L R Q Q L R L K I T Q L G Q S A E D L Q G S R R E L A Q S Q E A L Q V E Q R A H Q A A E G Q L Q A C Q A D R Q K T K E T L Q S E E Q Q R R A L E Q K L S N M E N R L K P F F T C </p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>CD72 emerges as a key participant in the orchestration of B-cell proliferation and differentiation. Operating as a homodimer with disulfide linkages, it forms associations with CD5, thereby contributing to intricate signaling networks within the B-cell context. Additionally, CD72 engages in interactions, particularly tyrosine phosphorylation, with the protein tyrosine phosphatase PTPN6/SHP-1, indicating its involvement in modulating cellular responses through intricate phosphorylation-based regulatory mechanisms. This highlights the multifaceted role of CD72 in the dynamic landscape of B-cell function and signaling.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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