

CD5 Protein, Mouse (347a.a, HEK293, His)

Cat. No.:	HY-P72722
Synonyms:	T-cell surface glycoprotein CD5; Ly-1; Lyl-1; CD5; Leu-1
Species:	Mouse
Source:	HEK293
Accession:	P13379 (Q24-N370)
Gene ID:	12507
Molecular Weight:	42-58 kDa

PROPERTIES

AA Sequence	<pre> Q S G R G G L D I Q V M L S G S N S K C Q G Q V E I Q M E N K W K T V C S S S W R L S Q D H S K N A Q Q A S A V C K Q L R C G D P L A L G P F P S L N R P Q N Q V F C Q G S P W S I S N C N N T S S Q D Q C L P L S L I C L E P Q R T T P P P T T T P P T T V P E P T A P P R L Q L V P G H E G L R C T G V V E F Y N G S W G G T I L Y K A K D R P L G L G N L I C K S L Q C G S F L T H L S G T E A A G T P A P A E L R D P R P L P I R W E A P N G S C V S L Q Q C F Q K T T A Q E G G Q A L T V I C S D F Q P K V Q S R L V G G S S V C E G I A E V R Q R S Q W E A L C D S S A A R G R G R W E E L C R E Q Q C G D L I S F H T V D A D K T S P G F L C A Q E K L S Q C Y H L Q K K K H C N K R V F V T C Q D P N </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 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	CD5 protein functions as a receptor that plays a pivotal role in the regulation of T-cell proliferation. It is involved in crucial interactions with CD72/LYB-2 and also exhibits potential interactions with PTPN6/SHP-1, indicating its involvement in important signaling pathways.
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Caution: Product has not been fully validated for medical applications. For research use only.

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