CD39 Protein, Mouse (His)

Cat. No.:	HY-P72898
Synonyms:	Ectonucleoside triphosphate diphosphohydrolase 1; NTPDase 1; Ecto-apyrase; CD39; Entpd1
Species:	Mouse
Source:	Sf9 insect cells
Accession:	P55772 (T38-I478)
Gene ID:	12495
Molecular Weight:	Approximately 51 kDa

PROPERTIES

AA Sequence	T Q N K P L P E N V K Y G I V L D A G S S H T N L Y I Y K W P A E K E N D T G V V Q Q L E E C Q V K G P G I S K Y A Q K T D E I G A Y L A E C M E L S T E L I P T S K H H Q T P V Y L G A T A G M R L L R M E S E Q S A D E V L A A V S T S L K S Y P F D F Q G A K I I T G Q E E G A Y G W I T I N Y L L G R F T Q E Q S W L S L I S D S Q K Q E T F G A L D L G G A S T Q I T F V P Q N S T I E S P E N S L Q F R L Y G E D Y T V Y T H S F L C Y G K D Q A L W Q K L A K D I Q V S S G G V L K D P C F N P G Y E K V V N V S E L Y G T P C T K R F E K K L P F D Q F R I Q G T G D Y E Q C H Q S I L E L F N N S H C P Y S Q C A F N G V F L P P L H G S F G A F S A F Y F V M D F F K K V A K N S V I S Q E K M T E I T K N F C S K S W E E T K T S Y P S V K E K Y L S E Y C F S G A Y I L S L L Q G Y N F T D S S W E Q I H F M G K I K D S N A G W T L G Y M L N L T N M I P A E Q P L S P P L P H S T Y I
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.4, 10% gly
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	CD39 protein, prominently expressed in the nervous system, plays a crucial role in the regulation of purinergic

neurotransmission by hydrolyzing ATP and other nucleotides. Additionally, CD39 is implicated in preventing platelet aggregation through the hydrolysis of platelet-activating ADP to AMP. Notably, CD39 exhibits equal proficiency in hydrolyzing both ATP and ADP, underscoring its versatility in modulating purinergic signaling pathways and contributing to regulatory mechanisms that influence neurotransmission and platelet function. The dual enzymatic activity of CD39 highlights its significance in maintaining the delicate balance of purinergic signaling within the nervous system and the broader context of hemostasis.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA