

CD39L1/ENTPD2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72729
Synonyms:	Ectonucleoside triphosphate diphosphohydrolase 2; Entpd2; Cd39L1
Species:	Mouse
Source:	HEK293
Accession:	O55026 (C26-S462)
Gene ID:	12496
Molecular Weight:	63-90 kDa

PROPERTIES

AA Sequence	<p> C V P T Q D V R E P P A L K Y G I V L D A G S S H T S M F V Y K W P A D K E N D T G I V G Q H S S C D V R G G G I S S Y A N D P S R A G Q S L V E C L E Q A L R D V P K D R Y A S T P L Y L G A T A G M R L L N L T S P E A T A K V L E A V T Q T L T R Y P F D F R G A R I L S G Q D E G V F G W V T A N Y L L E N F I K Y G W V G R W I R P R K G T L G A M D L G G A S T Q I T F E T T S P S E D P D N E V H L R L Y G Q H Y R V Y T H S F L C Y G R D Q V L Q R L L A S A L Q I H R F H P C W P K G Y S T Q V L L R E V Y Q S P C T M G Q R P Q T F N S S A T V S L S G T S N A A L C R D L V S G L F N I S S C P F S Q C S F N G V F Q P P V A G N F I A F S A F Y Y T V D F L K T V M G L P V G T L K Q L E D A T E T T C N Q T W A E L Q A R V P G Q Q T R L P D Y C A V A M F I H Q L L S R G Y R F D E R S F R G V V F E K K A A D T A V G W A L G Y M L N L T N L I P A D L P G L R K G T H F S </p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM Tris, 10 mM CaCl ₂ , 150 mM NaCl, 10% Glycerol, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	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

In the nervous system, CD39L1/ENTPD2 protein plays a crucial role in regulating purinergic neurotransmission by hydrolyzing ATP and other nucleotides. While demonstrating proficiency in the hydrolysis of various nucleotides, it notably exhibits a marginal extent of hydrolysis for ADP. This specificity suggests that CD39L1/ENTPD2 contributes to the precise modulation of purinergic signaling pathways, highlighting its significance in fine-tuning neurotransmission processes within the nervous system.

Caution: Product has not been fully validated for medical applications. For research use only.

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