

MDH2 Protein, Human (HEK293, His)

Cat. No.:	HY-P70350
Synonyms:	rHuMalate dehydrogenase mitochondrial/MDH2, His ; Malate dehydrogenase; mitochondrial; MDH2
Species:	Human
Source:	HEK293
Accession:	P40926 (A25-K338)
Gene ID:	4191
Molecular Weight:	Approximately 34.0 kDa

PROPERTIES

AA Sequence	<pre> A K V A V L G A S G G I G Q P L S L L L K N S P L V S R L T L Y D I A H T P G V A A D L S H I E T K A A V K G Y L G P E Q L P D C L K G C D V V V I P A G V P R K P G M T R D D L F N T N A T I V A T L T A A C A Q H C P E A M I C V I A N P V N S T I P I T A E V F K K H G V Y N P N K I F G V T T L D I V R A N T F V A E L K G L D P A R V N V P V I G G H A G K T I I P L I S Q C T P K V D F P Q D Q L T A L T G R I Q E A G T E V V K A K A G A G S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K S Q E T E C T Y F S T P L L L G K K G I E K N L G I G K V S S F E E K M I S D A I P E L K A S I K K G E D F V K T L K </pre>
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 20 mM PB, 150 mM NaCl, pH 7.4.
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	MDH2, a critical enzyme, undergoes acetylation, which leads to an increase in its enzymatic activity. This post-translational modification acts as a regulatory mechanism for MDH2, potentially impacting its functionality and playing a role in the modulation of cellular metabolic processes. Understanding the specific effects of acetylation on MDH2 can provide insights
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into the regulation of metabolic pathways and may have implications for diseases related to metabolic dysregulation.

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

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