

Product datasheet

Recombinant mouse MDH2 protein (Active) ab229176

1 Image

Description

Product name	Recombinant mouse MDH2 protein (Active)	
Biological activity	Specific activity is > 800 units/mg, and is defined as the amount of enzyme that cleaves 1 µmole of oxaloacetate and beta-NADH to L-malate and beta-NAD per minute at pH8.0 at 37°C.	
Purity	> 95 % SDS-PAGE. ab229176 was purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	P08249	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	MGSSHHHHHSSGLVPRGSHMAKVAVLGASGGIGQPLSL LLKNSPLVSRL TLYDIAHTPGVAADLSHIETRANVKGYLGPEQLPDCLKGC DVVVIPAGVP RKPGMTRDDL FNTNATIVATLTAACAQHCPEAMVCIANPV NSTIPITAE VFKKHGVYNPNKIFGVTTLDIMRANTFVAELKGLDPARVNV PVIGGHAGK TIIP LISQCTPKVDFPQDQLATLTGRIQEAGTEVVKAKAGAG SATLSMAY AGARFVFSLVDAMNGKEGVVECSFVQSKETECTYFSTPL LLGKKGLEKNL GIGKITPFEEKMIAEAIPELKASIKKGEDFVKNMK	
Predicted molecular weight	35 kDa including tags	
Amino acids	25 to 338	
Tags	His tag N-Terminus	
Additional sequence information	This product is the mature full length protein from aa 25 to 338. The transit peptide is not included (NP_032643).	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab229176** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

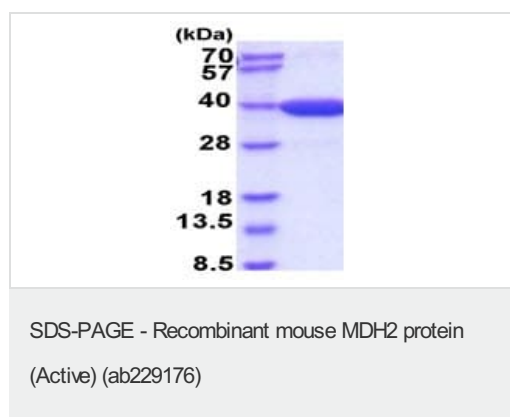
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: PBS, 20% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Sequence similarities	Belongs to the LDH/MDH superfamily. MDH type 1 family.
Post-translational modifications	Acetylation is enhanced by up to 67% after treatment either with trichostin A (TSA) or with nicotinamide (NAM) with the appearance of tri- and tetraacetylations. Glucose also increases acetylation by about 60%.
Cellular localization	Mitochondrion matrix.

Images



15% SDS-PAGE analysis of 3 µg ab229176.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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