

# Recombinant human MDH2 protein ab99238

**1 References** [画像数 1](#)

### 製品の詳細

製品名	Recombinant human MDH2 protein
生理活性	Specific activity is > 30 units/mg, and is defined as the amount of enzyme that cleaves 1umole of oxalacetate and beta-NADH to L-malate and beta-NAD per minute at pH7.5 at 25°C
	<b>Activity Assay</b> Prepare assay buffer into a suitable container and pre-chill on ice before use: The final concentrations are 100 mM Potassium phosphate, 0.13mM beta-nicotinamide adenine dinucleotide, reduced form, 0.25mM oxalacetic acid. Add recombinant MDH protein with various concentrations (0.1ug, 0.5ug, 1ug) in assay buffer. Mix by inversion and equilibrate to 1°C and monitor at A340nm until the value is constant using a spectrophotometer. Record the increase at A340nm for approximately 2 minutes
精製度	> 95 % SDS-PAGE. ab99238 is purified using conventional chromatography techniques.
発現系	Escherichia coli
アクセッション番号	<b><u>P40926</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<b>MGSSHHHHHSSGLVPRGSHMAKVAVLGASGGIGQPLSLL</b> <b>LKNSPLVSRL</b> <b>TLYDIAHTPGVAADLSHIETKAAVKGYLGPEQLPDCLKGCDV</b> <b>VVIPAGVP</b> <b>RKPGMTRDDL FNTNATIVATLTAACAQHCPEAMICVIANPVN</b> <b>STIPITAE</b> <b>VFKKHGVYNPNKIFGVTTLDIVRANTFVAELKGLDPARVNVP</b> <b>VIGGHAGK</b> <b>TIIP LISQCTPKVDFPQDQLTALTGRIQEAGTEVVKAKAGAG</b> <b>SATLSMAY</b> <b>AGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLG</b> <b>KKGIEKNL</b> <b>GIGKVSSFEEKMISDAIPELKASIKKGEDFVKTLK</b>

予測される分子量	35 kDa including tags
領域	25 to 338
タグ	His tag N-Terminus

## 特性

Our **Abpromise guarantee** covers the use of **ab99238** in the following tested applications.

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

アプリケーション	SDS-PAGE
	Mass Spectrometry
	Functional Studies
質量分析	MALDI-TOF
製品の状態	Liquid

## 前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
	pH: 7.50
	Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)
	This product is an active protein and may elicit a biological response in vivo, handle with caution.

## 関連情報

配列類似性	Belongs to the LDH/MDH superfamily. MDH type 1 family.
翻訳後修飾	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%.
細胞内局在	Mitochondrion matrix.

## 画像



15% SDS-PAGE showing ab99238 at approximately 35.2kDa (3μg).

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

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