

## Recombinant Full Length Human MDH2 Protein, GST-tagged

Cat. No. MDH2-6104HF    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human MDH2 full-length ORF ( NP_005909.2, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	338 amino acids
<b>Description</b>	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene is localized to the mitochondria and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. [provided by RefSeq]
<b>Molecular Mass</b>	61.9 kDa
<b>AA Sequence</b>	<p>MLSALARPASAALRRSFSTSAQNNAKVAVLGASGGIGQPLSLLLKNSPLVSRLTLYDI  AHTPGVAADLSHIETKAAVKGYLGPEQLPDCLKGCDVVVIPAGVPRKPGMTRDDL  NTNATIVATLTAACAQHCPEAMICVIANPNVNSTIPITAEVFKKHGVYNPNKIFGVTTLDI  VRANTFVAELKGLDPARVNVVPVIGGHAGKTIPLISQCTPKVDFPQDQLTALTGRIQEA  GTEVVKAKAGAGSATLSMAYAGARFVFLVDAMNGKEGVVECSFVKSQETECTYF  STPLLLGKKGIEKNLIGICKVSSFEEMISDAIPELKASIKKGEDFVKTLK</p>
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MDH2 malate dehydrogenase 2, NAD (mitochondrial) [ Homo sapiens ]
<b>Official Symbol</b>	MDH2
<b>Synonyms</b>	MDH2; malate dehydrogenase 2, NAD (mitochondrial); malate dehydrogenase, mitochondrial; MDH; MOR1; M-MDH; MGC:3559;
<b>Gene ID</b>	4191
<b>mRNA Refseq</b>	NM_005918
<b>Protein Refseq</b>	NP_005909
<b>MIM</b>	154100
<b>UniProt ID</b>	P40926

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