

Recombinant Human MDH2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MDH2-2010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MDH2 MS Standard C13 and N15-labeled recombinant protein (NP_005909) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	35.5 kDa
AA Sequence	MLSALARPVSAALRRSFSTSAQNNAKVAVLGASGGIGQPLSLLLKNSPLVSRLTLYDI AHTPGVAADLSHIETKAAVKGYLGPEQLPDCLKGCDVVVIPAGVPRKPGMTRDDLF NTNATIVATLTAACAQHCPEAMICVIANPVNSTIPITAEVFKKHGVYNPNKIFGVTTLDI VRANTFVAELKGLDPARVNVVPVIGGHAGKTIPLISQCTPKVDFPQDQLTALTGRIQEA GTEVVKAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYF STPLLLGKKGIEKNLGIGKVSSFEEKMISDAIPELKASIKKGEDFVKTLKTRTRPLEQKL ISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

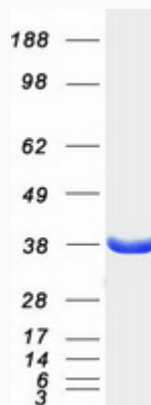
GENE INFORMATION

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

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SDS-PAGE

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