

Malate Dehydrogenase 2 Active Protein | MDH2 active protein

Recombinant Human Malate Dehydrogenase 2

CATALOG #
AAA38844

HOST
Escherichia Coli.

PRODUCT SYNONYMS

Malate Dehydrogenase 2; Recombinant Human Malate Dehydrogenase 2; M-MDH; MDH; MOR1.; MDH2 active protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli.
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The MDH2 1mg/ml protein solution contains 20mM Tris-HCl pH-7.5 and 10% glycerol.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMAK</u> VAVLGASGGI GQPLSLLLKN SPLVSRLTLY DIAHTPGVAA DLSHIETKAA VKGYLGPQL PDCLKGCDVV VIPAGVPRKP GMTRDDLNT NATIVATLTA ACAQHCPEAM ICVIANPVNS TIPITAEVFK KHGVYNPNKI FGVTTLDIVR ANTFVAELKG LDPARVNPV IGGHAGKTII PLISQCTPKV DFPQDQLTAL TGRIQEAGTE VVKAKAGAGS ATLSMAYAGA RFVFSLVDM NGKEGVVECS FVKSQTECT YFSTPLLLGK KGIEKNLGIG KVSSFEEKMI SDAIPELKAS IKKGEDFVK LK
Sequence Length	296
Physical Appearance	Sterile filtered colorless solution
Biological Activity	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.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to ass a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MDH2 active protein	Description: MDH2 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 335 amino acids (25-338 a.a.) and having a molecular mass of 35.2 kDa. The MDH2 is fused to a 21 amino acid His tag at N-terminus and purified by conventional chromatography.
Product Categories/Family for MDH2 active protein	Enzymes ; Dehydrogenase

NCBI AND UNIPROT INFORMATION

NCBI GI #	538919685
NCBI GeneID	4191
NCBI Accession #	NP_001269332.1
NCBI GenBank Nucleotide #	NM_001282403.1
UniProt Accession #	P40926 ; O43682 ; A8K414 ; B2RE78 ; B4DE44 ; E9PDB2
NCBI Official Full Name	malate dehydrogenase, mitochondrial isoform 2

NCBI Official Synonym Full Names	malate dehydrogenase 2, NAD (mitochondrial)
NCBI Official Symbol	MDH2
NCBI Official Synonym Symbols	MDH; MOR1; M-MDH; MGC:3559
NCBI Protein Information	malate dehydrogenase, mitochondrial
UniProt Protein Name	Malate dehydrogenase, mitochondrial
UniProt Gene Name	MDH2
UniProt Entry Name	MDHM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/escherichia-coli-mdh2-active-protein/malate-dehydrogenase-2/38844>