

NAD-dependent malic enzyme, mitochondrial protein (ME2) Active Protein | ME2 active protein

Recombinant Human NAD-dependent malic enzyme, mitochondrial protein (ME2) (Active)

CATALOG #
AAA114230

HOST
E Coli

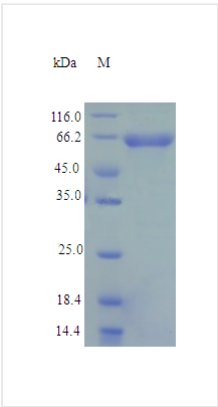
PRODUCT SYNONYMS

NAD-dependent malic enzyme; mitochondrial protein (ME2); Recombinant Human NAD-dependent malic enzyme; mitochondrial protein (ME2) (Active); NAD-ME; Malic enzyme 2; ME2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized
Sequence Positions	19-584aa
Sequence	MLHIKEKGKP LMLNPRTNKG MAFTLQERQM LGLQGLLPPK IETQDIQALR FHRNLKKMTS PLEKYIYIMG IQERNEKLFY RILQDDIESL MPIVYPTVG LACSQYGHIF RRPKGLFISI SDRGHVRSIV DNWPENHVKA VVVTDGERIL GLGDLGVYGM GIPVGKLCY TACAGIRPDR CLPVCIDVGT DNIALKDPF YMGLYQKRDR TQQYDDLIDE FMKAITDRYG RNTLIQFEDF GNHNAFRFLR KYREKYCTFN DDIQGTAAVA LAGLLAAQKV ISKPISEHKI LFLGAGEAAL GIANLIVMSM VENGLSEQEA QKKIWMFDKY GLLVKGRKAK IDSYQEPFTH SAPESIPDTF EDAVNILKPS TIIGVAGAGR LFTPDVIRAM ASINERPVIF ALSNPTAQAE CTAEAYTLT EGRCLFASGS PFGPVKLTG RVFTPGQGNN VYIFPGVALA VILCNTRHIS DSVFLEAAKA LTSQLTDEEL AQGRLYPPLA NIQEVSNIA IKVTEYLYAN KMAFRYPEPE DKAKYVKERT WRSEYDSSLP DVYEWPEPAS SPPVITE+HH HHHH
Species	Homo sapiens (Human)
Biological Activity	Malic Enzyme activity was assayed spectrophotometrically at 340nm as described in Mandela and Sauer (1975). The standard reaction mixture contained 50 mM Tris-HCl, 3 mM MnCl ₂ , 5 mM malate, 0.12 mM NADP ⁺ , 2.5 mM fumarate. Assay was performed in a Beckman spectrophotometer. The Km value is 1.5 ± 0.6 mM.
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Protein Note	Protein will be provided with aseptic processing and endotoxin removal.
Preparation and Storage	Generally, the shelf life of liquid form is 6 months at -20/-80 degree C. The shelf life of lyophilized form is 12 months at -20/-80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for ME2 active protein	Biological Active Protein; Signal Transduction; Enzyme
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NCBI AND UNIPROT INFORMATION

NCBI GI #	270265879
NCBI GeneID	4200
NCBI Accession #	NP_001161807.1
NCBI GenBank Nucleotide #	NM_001168335.1
UniProt Accession #	P23368; Q9BWL6; Q9BYG1; Q9H4B2; B2R8J2
Molecular Weight	64.4 kDa
NCBI Official Full Name	NAD-dependent malic enzyme, mitochondrial isoform 2
NCBI Official Synonym Full Names	malic enzyme 2
NCBI Official Symbol	ME2
NCBI Official Synonym Symbols	ODS1
NCBI Protein Information	NAD-dependent malic enzyme, mitochondrial
UniProt Protein Name	NAD-dependent malic enzyme, mitochondrial
UniProt Gene Name	ME2
UniProt Synonym Gene Names	NAD-ME

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/nad-dependent-malic-enzyme-mitochondrial-protein-me2/114230>