

Malic Enzyme 2 Recombinant Protein | ME2 recombinant protein

Recombinant Human Malic Enzyme 2

CATALOG #
AAA38613

PRODUCT SYNONYMS

Malic Enzyme 2; Recombinant Human Malic Enzyme 2; ME2 Human; Malic Enzyme 2 Human Recombinant; Malic enzyme 2 NAD(+)-dependent mitochondrial; NAD-ME; ODS1; Malate Dehydrogenase; NAD-dependent malic enzyme mitochondrial; pyruvic-malic carboxylase; Malic enzyme 2; EC 1.1.1.38; EC 1.1.1.1; ME2 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The protein was Lyophilized from a 0.2 um filtered concentrated solution in 20mM Tris, 150mM NaCl, 1mM β -mercaptoethanol, 1mM EDTA, pH8.0. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MLHIKEKGKP LMLNPRTNKG MAFTLQERQM LGLQGLLPPK IETQDIQALR FHRNLKKMTS PLEKYIYIMG IQERNEKLFY RILQDDIESL MPIVYTPTVG LACSQYGHIF RRPKGLFISI SDRGHVRSIV DNWPENHVKA VVVTDGERIL GLGDLGVYGM GIPVGKLCLY 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 PFGPVKLTGD RVFTPGQGNN VYIFPGVALA VILCNTRHIS DSVFLEAAKA LTSQLTDEEL AQGRLYPPLA NIQEVSNIA IKVTEYLYAN KMAFRYPEPE DKAKYVKERT WRSEYDSSLP DVEWPEPAS SPPVITEHHH HHH
Source	Escherichia Coli
Solubility	It is recommended to reconstitute the lyophilized ME2 in sterile 18M Omega-cm H ₂ O not less than 100 ug/mL, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized ME2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution ME2 should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ME2 recombinant protein	Description: ME2 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 573 amino acids and having a total molecular mass of 64.4kDa. ME2 is purified by proprietary chromatographic techniques.
Product Categories/Family for ME2 recombinant protein	Enzymes

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
NCBI Official Full Name	NAD-dependent malic enzyme, mitochondrial isoform 2
NCBI Official Synonym Full Names	malic enzyme 2, NAD(+)-dependent, mitochondrial
NCBI Official Symbol	ME2
NCBI Official Synonym Symbols	ODS1
NCBI Protein Information	NAD-dependent malic enzyme, mitochondrial; NAD-ME; malate dehydrogenase; pyruvic-malic carboxylase
UniProt Protein Name	NAD-dependent malic enzyme, mitochondrial
UniProt Gene Name	ME2
UniProt Synonym Gene Names	NAD-ME
UniProt Entry Name	MAOM_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/me2-recombinant-protein/38613>