Recombinant Full Length Human ME2 Protein, GST-tagged

Cat. No. ME2-6120HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ME2 full-length ORF (BAG36189.1, 1 a.a. - 584 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	584 amino acids
Description	This gene encodes a mitochondrial NAD-dependent malic enzyme, a homotetrameric protein, that catalyzes the oxidative decarboxylation of malate to pyruvate. It had previously been weakly linked to a syndrome known as Friedreich ataxia that has since been shown to be the result of mutation in a completely different gene. [provided by RefSeq
Molecular Mass	90.64 kDa
AA Sequence	MLSRLRVVSTTCTLACRHLHIKEKGKPLMLNPRTNKGMAFTLQERQMLGLQGLLPP KIETQDIQALRFHRNLKKMTSPLEKYIYIMGIQERNEKLFYRILQDDIESLMPIVYTPTV GLACSQYGHIFRRPKGLFISISDRGHVRSIVDNWPENHVKAVVVTDGERILGLGDLG VYGMGIPVGKLCLYTACAGIRPDRCLPVCIDVGTDNIALLKDPFYMGLYQKRDRTQQ YDDLIDEFMKAITDRYGRNTLIQFEDFGNHNAYRFLRKYREKYCTFNDDIQGTAAVAL AGLLAAQKVISKPISEHKILFLGAGEAALGIANLIVMSMVENGLSEQEAQKKIWMFDKY GLLVKGRKAKIDSYQEPFTHSAPESIPDTFEDAVNILKPSTIIGVAGAGRLFTPDVIRA MASINERPVIFALSNPTAQAECTAEEAYTLTEGRCLFASGSPFGPVKLTDGRVFTPG

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	QGNNVYIFPGVALAVILCNTRHISDSVFLEAAKALTSQLTDEELAQGRLYPPLANIQEV SINIAIKVTEYLYANKMAFRYPEPEDKAKYVKERTWRSEYDSLLPDVYEWPESASSP PVITE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ME2 malic enzyme 2, NAD(+)-dependent, mitochondrial [Homo sapiens]
Official Symbol	ME2
Synonyms	ME2; malic enzyme 2, NAD(+)-dependent, mitochondrial; NAD-dependent malic enzyme, mitochondrial; NAD-ME; malate dehydrogenase; pyruvic-malic carboxylase; ODS1;
Gene ID	4200
mRNA Refseq	NM_001168335
Protein Refseq	NP_001161807

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MIM	154270
UniProt ID	P23368

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