

# Recombinant Full Length Human ME2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ME2 full-length ORF (BAG36189.1, 1 a.a. - 584 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	584 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	90.64 kDa
<b>AA Sequence</b>	<pre> MLSRLRVVSTTCTLACRHLHIKEK GKPLMLNPRTNKGMAFTLQERQMLGLQGLLPP KIETQDIQALRFHRNLKMTSPLEKYIYIMGIQERNEKLFYRILQDDIESLMPIVYTPTV GLACSQYGHIFRRPKGLFISISDRGHVRSIVDNWPENHVKAVVVTGGERILGLGDLG VYGMGIPVGKLCCLYTACAGIRPDRCLPVCIDVGTDNIALLKDPFYMGLYQKRDRTQQ YDDLIDEFMKAITDRYGRNTLIQFEDFGNHNAYRFLRKYREKYCTFNDDIQGTAVAL AGLLAAQKVISKPISEHKILFLGAGEAALGIANLIVMSMVENGLSEQEAQKKIWMFDKY GLLVKGRKAKIDSYQEPFTHSAPESIPDTFEDAVNILKPSTIIGVAGAGRLFTPDVIRA MASINERPVIFALSNPQAQAECTAEEAYTLTEGRCLFASGSPFGPVKLT DGRVFTPG           </pre>

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QGNNVYIFPGVALAVILCNTRHISDSVFLEAAKALTSQLTDEELAQGRLYPPLANIQEV  
SINIAIKVTEYLYANKMAFRYPEPEDKAKYVKERTWRSEYDSSLDPDVEWPESSASP  
PVITE

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

## GENE INFORMATION

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

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<b>MIM</b>	154270
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<b>UniProt ID</b>	P23368
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