

Recombinant Human ME1 Protein, GST-tagged

Cat. No. ME1-745H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human full length ME1 was expressed in wheat germ with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	88.66 kDa
AA Sequence	MEPEAPRRRHTHQRGYLLTRNPHLNKDLAFTLEERQQLNIHGLLPPSFNSQEIQVLR VVKNF EHLNSDFDRYLLMLDQDRNEKLFYRVLTSDIEKFMPIVYTPVGLACQQYSL VFRKPRGLFITIHDRGHASVLNAWPEDVIKAIVVT DGERILGLGDLGCNGMGIPVGKL ALYTACGGMNPQECLPVILDVGTENEELLKDPLYIGLRQRRVRGSEYDDFLDEFMEA VSSKYGMNCLIQFEDFANVNAFRLLNKYRNQYCTFNDDIQGTASVAVAGLLAALRIT KNKLS DQ TILFQGAGEAALGIAHLIVMALEKEGLPKEKAIKKIWLVD SKGLIVKGRASL TQEKEKFAHEHEEMKNLEAIVQEIKPTALIGVAAIGGAFSEQILKDMAAFNERPIIFALS NPTS KAEC SAEQCYKITKGRAIFASGSPFDPVTL PNGQTLYPGQGNSYVFP GVAL

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GVVACGLRQITDNIFLTTAEVIAQQVSDKHLEEGRLYPPLNTIRDVSLKIAEKIVKDAY
 QEKATATVYPEPQNKEAFVRSQMYSTDYDQILPDCYSWPPEEVQKIQTkVDQ

Storage store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Full Length Full L.

GENE INFORMATION

Gene Name ME1 malic enzyme 1, NADP(+)-dependent, cytosolic [Homo sapiens]

Official Symbol ME1

Synonyms ME1; malic enzyme 1, NADP(+)-dependent, cytosolic; NADP-dependent malic enzyme; NADP-ME; malate dehydrogenase; malic enzyme 1, soluble; Malic enzyme, cytoplasmic; pyruvic-malic carboxylase; MES; HUMNDME

Gene ID 4199

mRNA Refseq NM_002395

Protein Refseq NP_002386

MIM 154250

UniProt ID P48163

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