

Recombinant Human ME1, His-tagged

Cat. No. ME1-795H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ME1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	226-572aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

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;

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Gene ID	4199
mRNA Refseq	NM_002395
Protein Refseq	NP_002386
MIM	154250
UniProt ID	P48163
Chromosome Location	6q12
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; PPARG Activates Gene Expression, organism-specific biosystem;
Function	ADP binding; NAD binding; NADP binding; electron carrier activity; malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+) activity; malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+) activity; malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+) activity