Recombinant Human NADP-dependent malic enzyme (ME1)

Product Code	CSB-EP013632HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48163
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MEPEAPRRRH THQRGYLLTR NPHLNKDLAF TLEERQQLNI HGLLPPSFNS QEIQVLRVVK NFEHLNSDFD RYLLLMDLQD RNEKLFYRVL TSDIEKFMPI VYTPTVGLAC QQYSLVFRKP RGLFITIHDR GHIASVLNAW PEDVIKAIVV TDGERILGLG DLGCNGMGIP VGKLALYTAC GGMNPQECLP VILDVGTENE ELLKDPLYIG LRQRRVRGSE YDDFLDEFME AVSSKYGMNC LIQFEDFANV NAFRLLNKYR NQYCTFNDDI QGTASVAVAG LLAALRITKN KLSDQTILFQ GAGEAALGIA HLIVMALEKE GLPKEKAIKK IWLVDSKGLI VKGRASLTQE KEKFAHEHEE MKNLEAIVQE IKPTALIGVA AIGGAFSEQI LKDMAAFNER PIIFALSNPT SKAECSAEQC YKITKGRAIF ASGSPFDPVT LPNGQTLYPG QGNNSYVFPG VALGVVACGL RQITDNIFLT TAEVIAQQVS DKHLEEGRLY PPLNTIRDVS LKIAEKIVKD AYQEKTATVY PEPQNKEAFV RSQMYSTDYD QILPDCYSWP EEVQKIQTKV DQ
Source	E.coli
Target Names	ME1
Protein Names	Recommended name: NADP-dependent malic enzyme Short name= NADP-ME EC= 1.1.1.40 Alternative name(s): Malic enzyme 1
Expression Region	1-572
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.