



# Recombinant Escherichia coli NADP-dependent malic enzyme (maeB)

<b>Product Code</b>	CSB-EP013634ENV-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P76558
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDDQLKQSAL DFHEFPVPGK IQVSPTKPLA TQRDLALAYS PGVAAPCLEI EKDPLKAYKY TARGNLVAVI SNGTAVLGLG NIGALAGKPV MEGKGVLFKK FAGIDVFDIE VDELDPKFI EVVAALEPTF GGINLEDIKA PECFYIEQKL RERMNIPVFH DDQHGTAIIS TAILNGLRV VEKNISDVRM VVSGAGAAAI ACMNLVALG LQKHNIIVCD SKGVYQGRE PNMAETKAAY AVVDDGKRTL DDVIEGADIF LGCSGPKVLT QEMVKKMARA PMILALANPE PEILPPLAKE VRPDAIICTG RSDYPNQVNN VLCFPFIFRG ALDVGATAIN EEMKLAAVRA IAELAHAEQS EVVASAYGDQ DLSFGPEYII PKPFDPR LIV KIAPAVAKAA MESGVATRPI ADFDVYIDKL TEFVYKTNLF MKPIFSQARK APKRVLPEG EEARVLHATQ ELVTLGLAKP ILIGRPNVIE MRIQKLGLQI KAGVDFEIVN NESDPRFKEY WTEYFQIMKR RGVTQEQAQR ALISNPTVIG AIMVQRGEAD AMICGTVGDY HEHFSVVKNV FG YRDGVHTA GAMNALLPS GNTFIADTYV NDEPDAEELA EITLMAAETV RRFGIEPRVA LLSHSNFGSS DCPSSSKMRQ ALELVRERAP ELMIDGEMHG DAALVEAIRN DRMPDSSLKG SANILVMPNM EAARISYNLL RVSSSEGVTV GPVLMGVAKP VHVLTPIASV RRIVNMVALA VVEAQTQPL
<b>Source</b>	E.coli
<b>Target Names</b>	maeB
<b>Protein Names</b>	Recommended name: NADP-dependent malic enzyme Short name= NADP-ME EC= 1.1.1.40
<b>Expression Region</b>	1-759
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.