



# Recombinant Escherichia coli O17:K52:H18 2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase (menD)

<b>Product Code</b>	CSB-EP483656EOG
<b>Storage</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.
<b>Uniprot No.</b>	B7N5N0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSVSAFNRRW AAVILEALTR HGVRHICIAP GSRSTPLTLA AAENSAFIHH THFDERGLGH LALGLAKVSK QPVAVIVTSG TAVANLYPAL IEAGLTGEKL ILLTADRPPE LIDCGANQAI RQPGMFASHP THSISLPRPT QDIPARWLVS TIDHALGTLH AGGVHINCPF AEPLYGEMDD TGLSWQQRLG DWWQDDKPWL REAPRLESEK QRDWFFWRQK RGVVVAGRMS AEEGKKVTLW AQT LGWPLIG DVLSQTGQPL PCADLWLGN A KAISELQQAQ IVVQLGSSLT GKRLQWQAI CEPEEYWIVD DIEGR LDPAH HRGRRLIANI ADWLEQHPAE KRQPWCVEIP RLAEQAMQAV IARRDAFGEA QLAHRISDYL PEQQQLFVGN SLVVRLIDAL SQLPAGYPVY SNRGASGIDG LLSTAAGVQR ASGKPTLAIV GDLSALYDLN ALALLRQVSA PLVLIVVNNN GGQIFSLLPT PKNERERFYL MPQNVHFEHA AAMFELKYHR PQNWQELETA LADAWRTPPT TVIEMVVNDT DGAQTLQQLL AQVSHL
<b>Source</b>	E.coli
<b>Target Names</b>	menD
<b>Protein Names</b>	Recommended name: 2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase Short name= SEPHCHC synthase EC= 2.2.1.9 Alternative name(s): Menaquinone biosynthesis protein MenD
<b>Expression Region</b>	1-556
<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.

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