



# Recombinant Escherichia coli O45:K1 2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase (menD)

<b>Product Code</b>	CSB-YP486083EOK
<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>	B7MG32
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O45:K1 (strain S88 / ExPEC)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSVSAFNRRW AAVILEALTR HGVRHICIAP GSRSTPLTLA AAENSAFIHH THFDERGLGH LALGLAKVSK QPVAIVTSG TAVANLYPAL IEAGLTGEKL ILLTADRPPE LIDCGANQAI RQPGMFASHP THSISLPRPT QDIPARWLVS TIDHALGTLH AGGVHINCPF AEPLYGEMDD TGISWQQRLG DWWQDDKPWL REAPRRESEK QRDWFFWRQK RGVVVAGRMS AEEGKKVALW AQTLGWPLIG DVLSQTGQPL PCADLWLGNA KATSELQQAQ IVVQLGSSLT GKRLQWQAS CEPEEYWIVD DIEGRDPAH HRGRRLIANI ADWLELHPAE KRQPWCVEIP RLAEQAMQAV IARRDAFGEA QLAHRISDYL PEQGQLFVGN SLVVRLIDAL SQLPAGYPVY SNRGASGIDG LLSTAAGVQR ASGKPTLAIV GDLSALYDLN ALALLRQVSA PLVLIVVNNN GGQIFSLIPT PKSERERFYLL MPQNVHFEHA AAMFELKYHR PQNWQELETT LVDWRTPTT TVIEMVVNDT DGAQTLQQLL AQVSHL
<b>Source</b>	Yeast
<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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