



Recombinant Escherichia coli O157:H7 2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate synthase (menD)

Product Code	CSB-EP466810EOE-B
Storage	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.
Uniprot No.	B5YXQ8
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O157:H7 (strain EC4115 / EHEC)
Purity	>85% (SDS-PAGE)
Sequence	MSVSAFNRRW AAVILEALTR HGVRHICIAP GSRSTPLTLA AAENSAFIHH THFDERGLGH LALGLAKVSK QPVAVIVTSG TAVANLYPAL IEAGLTGEKL ILLTADRPPE LIDCGANQAI RQPGMFASHP THSISLPRPT QDIPARWLVS TIDHALGTLH AGGVHINCPF AEPLYGEMDD TGLSWQQRLG DWWQDDKPWL REAPRLESEK QRDWFFWRQK RGVVVAGRMS AEEGKKVALW AQT LGWPLIG DVLSQTGQPL PCADLWLGNA KATSELQQAQ IVVQLGSSLT GKRLQWQAS CEPEEYWIVD DIEGRDPAH HRGRRLIANI ADWLELHPAE KRQPWCVEIP RLAEQAMQAV IACRDAFGEA QLAHRISDYL PEQQQLFVGN SLVVRLIDAL SQLPAGYPVY SNRGASGIDG LLSTAAGVQR ASGKPTLAIV GDLSALYDLN ALALLRQVSA PLVLIVVNNN GGQIFSLLPT PKSERERFYL MPQNVHFEHA AAMFELKYHR PQNWQELETV LADAWRTPPT TVIEMVVNDT DGAQTLQQLL AQVSHL
Source	E.coli
Target Names	menD
Protein Names	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
Expression Region	1-556
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
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

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