



Recombinant *Rhodobacter sphaeroides* Malyl-CoA lyase (mcl1)

Product Code	CSB-EP394443RLG
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.	A4WVF5
Product Type	Recombinant Protein
Immunogen Species	<i>Rhodobacter sphaeroides</i> (strain ATCC 17025 / ATH 2.4.3)
Purity	≥85% (SDS-PAGE)
Sequence	SFRLQPPPP ARPNRCQLFG PGSRPALFEK MAASAADVNN LDLEDSVAPD DKAQARLNII EAINTLDWGK KYLSVRINGL DTPFWYRDVV DLLEQAGDRL DQIMIPKVG C AADVYAVDAL VTAIERAKGR TKPVSFEVII ESAAGIAHVE EIAAASPRLQ AMSLGAADFA ASMGMQTTGI GGTQENYYML HEGQKHWSDP WHWAQAAIVA ACRTHGILPV DGPF GDFSDD EGFRAQARRS ATLGMVGKWA IHPKQVALAN EVFTPSDKAV AEAREILAAM EAAKARGE GA TVYKGRLVDI ASIKQAEVIV RQAEMISA
Source	<i>E. coli</i>
Target Names	mcl1
Protein Names	Recommended name: Malyl-CoA lyase EC= 4.1.3.24 Alternative name(s): (3S)-malyl-CoA/beta-methylmalyl-CoA lyase L-malyl-CoA/beta-methylmalyl-CoA lyase
Expression Region	2-318
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 of Mature 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	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.