



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

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|--------------------------|---|
| Product Code | CSB-MP667039RLF |
| Abbreviation | mcl1 |
| 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. | Q3J5L6 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Rhodobacter sphaeroides</i> (strain ATCC 17023 / 2.4.1 / NCIB 8253 / DSM 158) |
| Purity | >85% (SDS-PAGE) |
| Sequence | SFRLQPAPP ARPNRCQLFG PGSRPALFEK MAASAADVIN LDLEDSVAPD DKAQARANII EAINGLDWGR KYLSVRINGL DTPFWYRDVV DLLEQAGDRL DQIMIPKVG C AADVYAVDAL VTAIERAKGR TKPLSFEVII ESAAGIAHVE EIAASSPRLQ AMSLGAADFA ASMGMQTTGI GGTQENYYML HDGQKHWSDP WHWAQAAIVA ACRTHGILPV DGPF GDFSDD EGFRAQARRS ATLGMV GKWA IHPKQVALAN EVFTPSETAV TEAREILAAM DAAKARGE GA TVYKGRLVDI ASIKQAEVIV RQAEMISA |
| Source | Mammalian cell |
| 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. |