



Recombinant *Synechococcus elongatus* 3-isopropylmalate dehydratase large subunit (leuC)

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| Product Code | CSB-EP654631FPY |
| Abbreviation | leuC |
| 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. | Q31LZ1 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MSRGTLFDKV WDLHTVATLP SGQTQLFIGL HLIHEVTSPQ AFSMLRDRGL TVKFPGRVA TVDHIVPTEN QARPFADSLA EEMIVTLERN CRENGIRFYN IGSGSQGIVH VIAPEQGLTQ PGMTIACGDS HTSTHGAFGA IAFGIGTSQV RDVLASQTLA LSKLKVRKIE VNGELQPGVY AKDVILHIIR KLGVKGGVGY AYEFAGSTFA AMSMEERMTV CNMAIEGGAR CGYVNPQIT YDYLQGREFA PQGEAWDRAI AWWESLRSEA DAEYDDVVVF DAAEIAPTVT WGITPGQGIG ITETIPTPDS LLEDRAVAA EAYSMDLEP GAPLQGTKVD VCFIGSCTNG RLSDLREAAK VAQGRKVAAG IKAFVVPGE RVKQQAEEG LDQIFTAAGF EWRQAGCSMC LAMNPKLEG RQISASSSNR NFKGRQGSAS GRTLLMSPAM VAAAAIAGEV TDVRNWLN |
| Source | E.coli |
| Target Names | leuC |
| Protein Names | Recommended name: 3-isopropylmalate dehydratase large subunit EC=4.2.1.33 Alternative name(s): Alpha-IPM isomerase Short name= IPMI Isopropylmalate isomerase |
| Expression Region | 1-468 |
| 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 | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. |



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