



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

Product Code	CSB-EP654631FPY-B
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 AKDVLHIIR 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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