



# Recombinant *Synechococcus elongatus* 3-isopropylmalate dehydrogenase (leuB)

<b>Product Code</b>	CSB-EP658111FPY-B
<b>Abbreviation</b>	leuB
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q31N34
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Synechococcus elongatus</i> (strain PCC 7942) ( <i>Anacystis nidulans</i> R2)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MTRSyrITLL PGDGIGPEIM AVTVdILRAI GRQFDLNFEF EEALIGGSAI DATGEPLPEA TLATCRNSDA VLLAAIGGYK WDSLPRSQRPE TGLLGLRAG LGLFANLRPA AILPQLVDAS SLKREVIIEGV DLMVVRELTG GIYFGPEKGC FADEQGRQRA FNTMVYREDE IDRIGRVAFD IARKRGKRLC SVDKANVLEV SQLWRDRMTL LGSDYADVEL SHLYVDNAAM QLVRWPKQFD TIVTGNLFGD ILSDIAAMLT GSIGMLPSAS LGAEGPGVFE PVHGSAPDIA GQDKANPLAQ VLSAAMMLRY GLDEPEAAAR IEAAVNQVLD QGYRTGDLYS EGMTLVGCKG MGDALLAALE SPVSA
<b>Source</b>	E.coli
<b>Target Names</b>	leuB
<b>Protein Names</b>	Recommended name: 3-isopropylmalate dehydrogenase EC= 1.1.1.85 Alternative name(s): 3-IPM-DH Beta-IPM dehydrogenase Short name= IMDH
<b>Expression Region</b>	1-365
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.