



Recombinant *Synechococcus elongatus* 3-methyl-2-oxobutanoate hydroxymethyltransferase (panB)

Product Code	CSB-EP656715FPY
Abbreviation	panB
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.	Q31KK8
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MPITPRHLRQ WKQQGRPIVA LTAWDFAIAS ILDEAGIDL VLVGDSLAMVA LGHPTTLPLS LEDMIHHVQA VQRGCRNALI VSDLPFLSYQ TSPEDAILAA GQLLKVTEAQ AVKLEGGYPR LLETVQRLVE VGIPVMGHVG LTPQSVRQLG YRQQGQTPEA QQQILDQALA LEAAGAFIV LEHIPDRLAA MITAKLSIPT IGIGAGPNCD GQILVTADLL GLTPSQPPFA PAYLNLRQAI GSAVQRYARE VRDRQFLQSQ PAEQEPLS
Source	E.coli
Target Names	panB
Protein Names	Recommended name: 3-methyl-2-oxobutanoate hydroxymethyltransferase EC=2.1.2.11 Alternative name(s): Ketopantoate hydroxymethyltransferase Short name= KPHMT
Expression Region	1-268
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. 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.