



Recombinant *Synechococcus elongatus* Uroporphyrinogen-III synthase (hemD)

Product Code	CSB-EP025679FPY-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P42452
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MAEQPLIGKT ILTTRAAGQS SPFAAQLRAA GAAVIEMPTL EIGPPSSWLP LDEAIAAIAD FDWLILASAN AVEAVQQRLA AQQKSWSDVP CAIAVVGQKT AQVLAAQGGK ADYIPPEFIA ESLVEHFPQP VAGQRLLFPR VETGGREQIT QALQSQGAIV VEVPAYESRC PSQIPDDALI ALRQAHLNLI SFTSSKTVRN FCQLMASNLG VDWSARISGV AIASIGPQTS ITCQELLGRV EVEAQEYTLT GLLLAIEQWA RQTT
Source	E.coli
Target Names	hemD
Protein Names	Recommended name: Uroporphyrinogen-III synthase Short name= UROS EC= 4.2.1.75 Alternative name(s): Hydroxymethylbilane hydrolyase [cyclizing] Uroporphyrinogen-III cosynthase
Expression Region	1-264
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.