



Recombinant *Synechococcus elongatus* Glutamate-1-semialdehyde 2,1-aminomutase (hemL)

Product Code	CSB-EP657428FPY-B
Abbreviation	hemL
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.	Q31QJ2
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	≥85% (SDS-PAGE)
Sequence	VTSSPFKTI KSDEIFAAAQ KLMPGGVSSP VRAFKSVGGQ PIVFDRVKDA YAWDVDGNRY IDYVGTWGPA ICGHAHPEVI EALKVAMEKG TSFGAPCALE NVLAEMVIDA VPSIEMVRFV NSGTEACMAV LRLMRAYTGR DKIIKFEGCY HGHADMFLVK AGSGVATLGL PDSPGVPKST TANTLTAPYN DLEAVKALFA ENPGEIAGVI LEPIVGNSGF IVPDAGFLEG LREITLEHDA LLVFDEVMTG FRIAYGGVQE KFGVTPDLTT LGKIIGGGLP VGAYGGKREI MQLVAPAGPM YQAGTLSGNP LAMTAGIKTL ELLRQPGTYE YLDQITKRLS DGLLAIAQET GHAACGGQVS GMFGFFFTEG PVHNYEDAKK SDLQKFSRFH RGMLEQGIYL APSQFEAGFT SLAHTTEEDID ATLAAARTVM SAL
Source	E.coli
Target Names	hemL
Protein Names	Recommended name: Glutamate-1-semialdehyde 2,1-aminomutase Short name= GSA EC= 5.4.3.8 Alternative name(s): Glutamate-1-semialdehyde aminotransferase Short name= GSA-AT
Expression Region	2-433
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 of Mature 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

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