



Recombinant *Synechococcus elongatus* D-alanine--D-alanine ligase (ddl)

Product Code	CSB-EP653916FPY-B
Abbreviation	ddl
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.	Q31KL4
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MAAQKVGLLF GGRSGEHEVS IRSAAAIASA LADPSNRDRY QVLPFYIDKE GGWHSGETAA QVLANQKPLF VEEPSDRWQF PADCRDVEVW FPILHGPNGE DGTIQGLLTL MQRPFVGSQV LGSALGMDKI AMKQAFQAS LPQVAYVAVN RSQVFSRPCR YTSLLLEQIET ELGYPCFVKP ANLGSSVGIA KVRDRAELEA ALDQAAALDR RLIIIEAAIDN PREVECAVLG NDYPQASILG EITYDSDFYD YETKYTDGKA QLLIPAQLSA ELQQKLQELA IAAFQAVDAS GLSRLDFFLD SQGQIFINEI NTLPGFTALS MYPQLWAASG VAFPDLVHRL IQLALER
Source	E.coli
Target Names	ddl
Protein Names	Recommended name: D-alanine--D-alanine ligase EC= 6.3.2.4 Alternative name(s): D-Ala-D-Ala ligase D-alanylalanine synthetase
Expression Region	1-347
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.