



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

<b>Product Code</b>	CSB-EP653916FPY
<b>Abbreviation</b>	ddl
<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>	Q31KL4
<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>	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
<b>Source</b>	E.coli
<b>Target Names</b>	ddl
<b>Protein Names</b>	Recommended name: D-alanine--D-alanine ligase EC= 6.3.2.4 Alternative name(s): D-Ala-D-Ala ligase D-alanylalanine synthetase
<b>Expression Region</b>	1-347
<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.