



Recombinant *Gloeobacter violaceus* D-alanine--D-alanine ligase (ddl)

Product Code	CSB-BP762912GCI
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.	Q7NNW1
Product Type	Recombinant Protein
Immunogen Species	<i>Gloeobacter violaceus</i> (strain PCC 7421)
Purity	>85% (SDS-PAGE)
Sequence	MRITVLSGSD SPEREVSLVS GRAVQAALET LGHEVTMVDP GPDLPVRLLE NPPDFVWIAL HGDKGENGKL QGLLDWLGLP YNGSGVTASA IAMDKVVS LFVAEGIPTP AYRVAEAVPQ VSECQAWLAA LGSPVVVKA DGGSTVGVTI AREAGHLPEA VRLALQYSPQ VLIEQYIPGQ EITVALLDGL VLP AIEIVPQ GRDFYDYEA K YAPGGSRHLL PPNLAADV LK ASVDAAYRAC RAVGSTGLV R ADVRVDP EGR PWVLEVNTLP GMTATSLAPE AAQAAGIDFE QLIQRIIDRS LD
Source	Baculovirus
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	1-302
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.