D-Alanine--D-Alanine Ligase (ddl) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-alanine--D-alanine ligase (ddl), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus D-alanine--D-alanine ligase (ddl)
Product Gene Name	ddl recombinant protein
Product Synonym Gene Name	ddl
Sequence	MAAQKVGLLF GGRSGEHEVS IRSAAAIASA LADPSNRDRY QVLPFYIDKE GGWHSGETAA QVLANQKPLF VEEPSDRWQF PADCRDVEVW FPILHGPNGE DGTIQGLLTL MQRPFVGSGV LGSALGMDKI AMKQAFAQAS LPQVAYVAVN RSQVFSDPCR YTSLLEQIET ELGYPCFVKP ANLGSSVGIA KVRDRAELEA ALDQAAALDR RLIIEAAIDN PREVECAVLG NDYPQASILG EITYDSDFYD YETKYTDGKA QLLIPAQLSA ELQQKLQELA IAAFQAVDAS GLSRLDFFLD SQGQIFINEI NTLPGFTALS MYPQLWAASG VAFPDLVHRL IQLALER
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,902 Da
Sequence Positions	1-347, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q31KL4
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ddl recombinant protein	MBS1400109 is a recombinant protein targeting ddl. Also known as Recombinant Synechococcus elongatus D-alanine--D-alanine ligase (ddl). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ddl recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ddl. It may not necessarily be applicable to this product.

NCBI GI #	499563257
NCBI Accession #	WP_011244040.1
UniProt Primary Accession #	Q31KL4
GenBank Nucleotide #	WP_011244040.1
NCBI Official Full Name	MULTISPECIES: D-alanine--D-alanine ligase

UniProt Protein Name	D-alanine--D-alanine ligase
UniProt Synonym Protein Names	D-Ala-D-Ala ligase
Protein Family	D-alanine--D-alanine ligase
UniProt Gene Name	ddl
UniProt Comments for ddl	Cell wall formation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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