D-Alanine--D-Alanine Ligase (ddl) Polaromonas Naphthalenivorans Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-alanine--D-alanine ligase (ddl), Recombinant Protein
Full Product Name	Recombinant Polaromonas naphthalenivorans D-alanine--D-alanine ligase (ddl)
Product Gene Name	ddl recombinant protein
Sequence	MSPNPSSFGK VAVLMGGRSA EREISLMSGS GVVQALRSQG IDAHAFDPAE RDLGELKTGG FARCFIALHG RFGEDGTVQG ALELLGIPYT GSGVMASSMA IDKVMTKRLL LSESLPTPRY VLLRRGGYSP AQVDAIVDTL GLPLIVKPAR EGSSLGLSKV TERAAMAAAV ALAEKMDADI LCEQFISGDE VTCPVLGTGE QARALPVIRI VAPEGNYDYQ NKYFTDTTQY LVPCGLPAGE EAAIQQLVLQ AFRTLNCRGW ARADVMIDQA TRKPYLLEIN TSPGMTGHSL VPMSARAAGI SYEALCVEVL KTALLDHQPR DGSLP
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	34,584 Da
Sequence Positions	1-325, 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 A1VST4
Species	Polaromonas naphthalenivorans (strain CJ2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ddl recombinant protein	MBS1259254 is a recombinant protein targeting ddl. Also known as Recombinant Polaromonas naphthalenivorans 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 #	500126778
NCBI Accession #	WP_011802783.1
UniProt Primary Accession #	A1VST4
GenBank Nucleotide #	WP_011802783.1
NCBI Official Full Name	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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