D-Alanine--D-Alanine Ligase (ddl) Geobacillus Kaustophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-alanine--D-alanine ligase (ddl), Recombinant Protein
Full Product Name	Recombinant Geobacillus kaustophilus D-alanine--D-alanine ligase (ddl)
Product Gene Name	ddl recombinant protein
Product Synonym Gene Name	ddl
Sequence	MKTKVGVLYG GKSPEHQVSL STAMAVMNAI DPHKFDVIPI YITPEGQWIK GEQLTGPIEE IKQLQFTSAA TALIPVSLNQ VPAADSAAGG NEETIDVIFP LLHGPNGEDG TVQGLLEILN IPYVGNGVLA SAVGMDKVMM KNLFAQAGLR QAKYIAVTKY DWQKRGETVY DRIERELGYP CFVKPANAGS SVGISKCKQR GDLKAAFIEA FQYDRKIIIE EAIVGREIEI GVIGNDEPIC SVVGEIVPKK EFYDYEAKYE DGQTELIIPA DVTKEQYETI KQMAITAFQV LDLSGLARVD FFLAEDGAVY INEVNTMPGF TPYSMFPLLW QHSGVPYPEL IERLIALALE RHQEKQTITY TFKKEKR
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	40,687 Da
Sequence Positions	1-367, Full length
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 Q5L3H2
Species	Geobacillus kaustophilus (strain HTA426)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ddl recombinant protein	MBS1399068 is a recombinant protein targeting ddl. Also known as Recombinant Geobacillus kaustophilus 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 #	499548950
NCBI Accession #	WP_011229733.1
UniProt Primary Accession #	Q5L3H2
GenBank Nucleotide #	WP_011229733.1

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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