D-Alanine--D-Alanine Ligase (ddl) Mycobacterium Smegmatis Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-alanine--D-alanine ligase (ddl), Recombinant Protein
Full Product Name	Recombinant Mycobacterium smegmatis D-alanine--D-alanine ligase (ddl)
Product Gene Name	ddl recombinant protein
Sequence	MTAPNHPPGR TRVAVVYGGR SSEHAISCVS AGSILRNLDP ERFEVVAIGI TPDGSWVLTD GRPETLAITD GKLPAVTEAS GTELALPAAP NRSGQLLALG NGPGEILAAV DVVFPVLHGP YGEDGTIQGL LELAGVPYVG SGVLASAAGM DKEYTKKLLA AEGLPIGDQV VLRPGVETLD LEQRERLGLP VFVKPARGGS SIGVSRVTAW DELPAAVALA RRHDPKVIVE AAVIGRELEC GVLEFPDGRL EASTVGEIRV AGVRGREDGF YDFATKYLED AAELDVPAKV DDDVADEIRQ LAVRAFTAIG CQGLARVDFF LTDDGPVINE INTMPGFTTI SMYPRMWAAG GIDYPTLLAA MVDTAIARGT GLR
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	39,232 Da
Sequence Positions	1-373, 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 A0QUZ7
Species	Mycobacterium smegmatis (strain 700084 / mc(2)155)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ddl recombinant protein	MBS1168701 is a recombinant protein targeting ddl. Also known as Recombinant Mycobacterium smegmatis 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 #	500047596
NCBI Accession #	WP_011728314.1
UniProt Primary Accession #	A0QUZ7
UniProt Secondary Accession #	I7FJ47
GenBank Nucleotide #	WP_011728314.1

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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