D-Alanine--D-Alanine Ligase B (ddlB) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-alanine--D-alanine ligase B (ddlB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 D-alanine--D-alanine ligase B (ddlB)
Product Gene Name	ddlB recombinant protein
Product Synonym Gene Name	ddlB
Sequence	TDKIAVLLGG TSAEREVSLN SGAAVLAGLR EGGIDAYPVD PKEVDVTQLK SMGFQKVFIA LHGRGGEDGT LQGMLELMGL PYTGSGVMAS ALSMDKLRSK LLWQGAGLPV APWVALTRVE FEKGLSDKQL AEISALGLPV IVKPSREGSS VGMSKVVAEN ALQDALRLAF QHDEEVLIEK WLSGPEFTVA ILGEEILPSV RIQPSGTFYD YEAKYLSDET QYFCPAGLEA SQEANLQALV LKAWTTLGCK GWGRIDVMLD SDGQFYLLEA NTSPGMTSHS LVPMAARQAG MSFSQLVVRI LELAD
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	32,854 Da
Sequence Positions	2-306, 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 Q8X9Y6
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ddlB recombinant protein	MBS1381377 is a recombinant protein targeting ddlB. Also known as Recombinant Escherichia coli O157:H7 D-alanine--D-alanine ligase B (ddlB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ddlB 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 ddlB. It may not necessarily be applicable to this product.

NCBI GI #	15829350
NCBI GeneID	913558
NCBI Accession #	NP_308123.1
UniProt Primary Accession #	Q8X9Y6
GenBank Nucleotide #	NC_002695.1

NCBI Official Full Name	D-alanine--D-alanine ligase
NCBI Official Symbol	ddl
UniProt Protein Name	D-alanine--D-alanine ligase B
UniProt Synonym Protein Names	D-Ala-D-Ala ligase B; D-alanylalanine synthetase B
Protein Family	D-alanine--D-alanine ligase
UniProt Gene Name	ddlB
NCBI Protein Information	D-alanine--D-alanine ligase
UniProt Comments for ddlB	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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