UDP-N-Acetylmuramoylalanine--D-Glutamate Ligase (murD) Bordetella Avium Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD), Recombinant Protein
Full Product Name	Recombinant Bordetella avium UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD), partial
Product Gene Name	murD recombinant protein
Product Synonym Gene Name	murD
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	53,709 Da
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 Q2KVF5
Species	Bordetella avium (strain 197N)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murD recombinant protein	MBS1421900 is a recombinant protein targeting murD. Also known as Recombinant Bordetella avium UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murD 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 murD. It may not necessarily be applicable to this product.

NCBI GI #	501386955
NCBI Accession #	WP_012418521.1
UniProt Primary Accession #	Q2KVF5
GenBank Nucleotide #	WP_012418521.1
NCBI Official Full Name	UDP-N-acetylmuramoyl-L-alanine--D-glutamate ligase
UniProt Protein Name	UDP-N-acetylmuramoylalanine--D-glutamate ligase
UniProt Synonym Protein Names	D-glutamic acid-adding enzyme
Protein Family	UDP-N-acetylmuramoylalanine--D-glutamate ligase

UniProt Gene Name	murD
UniProt Comments for murD	Cell wall formation. Catalyzes the addition of glutamate to the nucleotide precursor UDP-N-acetylmuramoyl-L-alanine (UMA).
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