Lipoprotein-Releasing System ATP-Binding Protein LolD (lolD) Bordetella Parapertussis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipoprotein-releasing system ATP-binding protein LolD (lolD), Recombinant Protein
Full Product Name	Recombinant Bordetella parapertussis Lipoprotein-releasing system ATP-binding protein LolD (lolD)
Product Gene Name	lolD recombinant protein
Product Synonym Gene Name	lolD
Sequence	MTEPNDTGPA LQAEHLGKVY DEGPARIEVL SDVSLSVARG EMVAIVGASG SGKSTLLHIL GLLDVPSSGT VSVDGVPAAG LSEKRKSALR NRSLGFVYQF HHLLPEFSAL DNVAMPLIVR RENRDRARAQ AREVLELVGL AAREEHFPGQ LSGGERQRVA LARALVTRPA CVLADEPTGN LDRHTAHNMF ELLTRVNRES GTAFVIVTHD PELAARADRQ LHMENGRLQP D
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	25,028 Da
Sequence Positions	1-231, 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 Q7W8T0
Species	Bordetella parapertussis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lolD recombinant protein	MBS1333109 is a recombinant protein targeting lolD. Also known as Recombinant Bordetella parapertussis Lipoprotein-releasing system ATP-binding protein LolD (lolD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lolD 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 lolD. It may not necessarily be applicable to this product.

NCBI GI #	489909005
NCBI Accession #	WP_003812422.1
UniProt Primary Accession #	Q7W8T0
GenBank Nucleotide #	WP_003812422.1

NCBI Official Full Name	MULTISPECIES: lipoprotein-releasing system ATP-binding protein LolD
UniProt Protein Name	Lipoprotein-releasing system ATP-binding protein LolD
Protein Family	Lipoprotein-releasing system ATP-binding protein
UniProt Gene Name	lolD
UniProt Comments for lolD	Part of the ABC transporter complex LolCDE involved in the translocation of mature outer membrane-directed lipoproteins, from the inner membrane to the periplasmic chaperone, LolA. Responsible for the formation of the LolA-lipoprotein complex in an ATP-dependent manner.
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