Probable 4-Deoxy-4-Formamido-L-Arabinose-Phosphoundecaprenol Deformylase Arnd (arnD) Shigella Boydii Serotype 4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD (arnD), Recombinant Protein
Full Product Name	Recombinant Shigella boydii serotype 4 Probable 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD (arnD)
Product Gene Name	arnD recombinant protein
Product Synonym Gene Name	arnD
Sequence	MTKVGLRIDV DTFRGTREGV PRLLEILSKH NIQASIFFSV GPDNMGRHLW RLVKPQFLWK MLRSNAASLY GWDILLAGTA WPGKEIGHAN ADIIREAAKH HEVGLHAWDH HAWQARSGNW DRQTMIDDIA RGLRTLEEII GQPVTCSAAA GWRADQKVIE AKEAFHLRYN SDCRGAMPFR PLLESGNPGT AQIPVTLPTW DEVIGRDVKT EDFNGWLLNR ILRDKGTPVY TIHAEVEGCA YQHNFVDLLK RAAQEGVTFC PLSELLSETL PLGQVVRGNI AGREGWLGCQ QIAGSR
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	33,142 Da
Sequence Positions	1-296, 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 Q31YK1
Species	Shigella boydii serotype 4 (strain Sb227)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arnD recombinant protein	MBS1306727 is a recombinant protein targeting arnD. Also known as Recombinant Shigella boydii serotype 4 Probable 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD (arnD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arnD 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 arnD. It may not necessarily be applicable to this product.

NCBI GI #	446091876
NCBI Accession #	WP_000169731.1
UniProt Primary Accession #	Q31YK1

GenBank Nucleotide #	WP_000169731.1
NCBI Official Full Name	MULTISPECIES: 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD
UniProt Protein Name	Probable 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD
Protein Family	Probable 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase
UniProt Gene Name	arnD
UniProt Comments for arnD	Catalyzes the deformylation of 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol to 4-amino-4-deoxy-L-arabinose-phosphoundecaprenol. The modified arabinose is attached to lipid A and is required for resistance to polymyxin and cationic antimicrobial peptides.
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