UDP-4-Amino-4-Deoxy-L-Arabinose--Oxoglutarate Aminotransferase (arnB) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-4-amino-4-deoxy-L-arabinose--oxoglutarate aminotransferase (arnB), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b UDP-4-amino-4-deoxy-L-arabinose--oxoglutarate aminotransferase (arnB)
Product Gene Name	arnB recombinant protein
Product Synonym Gene Name	arnB
Sequence	MSEFLPFSRP AMGVEELAAV KEVLESGWIT TGPKNQALEQ AFCQLTGNQH AIAVSSATAG MHITLMALEI GKGDEVITPS LTWVSTLNMI SLLGATPVMV DVDRDTLMVT PEAIESAITP RTKAIIPVHY AGAPADIDAI RAIGERYGIA VIEDAAHAVG TYYKGRHIGA KGTAIFSFHA IKNITCAEGG LIVTDNENLA RQLRMLKFHG LGVDAYDRQT WGRAPQAEVL TPGYKYNLTD INAAIALTQL VKLEHLNTRR REIAQQYQQA LAALPFQPLS LPAWPHVHAW HLFIIRVDEQ RCGISRDALM EALKERGIGT GLHFRAAHTQ KYYRERFPTL SLPNTEWNSE RICSLPLFPD MTTADADRVI TALQQLAGQ
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	41,670 Da
Sequence Positions	1-379, 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 Q0T2N0
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arnB recombinant protein	MBS1303763 is a recombinant protein targeting arnB. Also known as Recombinant Shigella flexneri serotype 5b UDP-4-amino-4-deoxy-L-arabinose--oxoglutarate aminotransferase (arnB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arnB 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 arnB. It may not necessarily be applicable to this product.

NCBI GI #	485754291
NCBI Accession #	WP_001379974.1

UniProt Primary Accession #	Q0T2N0
GenBank Nucleotide #	WP_001379974.1
NCBI Official Full Name	MULTISPECIES: UDP-4-amino-4-deoxy-L-arabinose-oxoglutarate aminotransferase
UniProt Protein Name	UDP-4-amino-4-deoxy-L-arabinose--oxoglutarate aminotransferase
UniProt Synonym Protein Names	UDP-(beta-L-threo-pentapyranosyl-4"-ulose diphosphate) aminotransferase
Protein Family	UDP-4-amino-4-deoxy-L-arabinose--oxoglutarate aminotransferase
UniProt Gene Name	arnB
UniProt Synonym Gene Names	UDP-Ara4O aminotransferase
UniProt Comments for arnB	Catalyzes the conversion of UDP-4-keto-arabinose (UDP-Ara4O) to UDP-4-amino-4-deoxy-L-arabinose (UDP-L-Ara4N). The modified arabinose is attached to lipid A and is required for resistance to polymyxin and cationic antimicrobial peptides.
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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