Aminodeoxychorismate Lyase (pabC) Vibrio Cholerae Serotype O1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aminodeoxychorismate lyase (pabC), Recombinant Protein
Full Product Name	Recombinant Vibrio cholerae serotype O1 Aminodeoxychorismate lyase (pabC)
Product Gene Name	pabC recombinant protein
Product Synonym Gene Name	pabC
Sequence	MYWVNGQRRN EVPIHDRSFQ YGDGCFTTIL TKEGQVQQWS SHKARLQACL DILHIPEPNW DRVWQGLQSM ILPQEKAGLK IHISRGLGGR GYSPTQVSES IVTISAFAFP AHYQAWRDKG LAVGICQQRM GLNPLLAGHK HNNRLEQILL KREMDNAGWD DGVCLDINGK VIETTAANIF WCRDGTMFTP CLRHAGVAGV ARRQILELAQ QQEIPIVIDE FTLEDLLSAE EVFITNALLE VAPVTQIGQQ RLTIGSMTRR FQESSNS
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	30,063 Da
Sequence Positions	1-267, 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 Q9KQI0
Species	Vibrio cholerae serotype O1 (strain 39315 / El Tor Inaba N16961)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pabC recombinant protein	MBS1343329 is a recombinant protein targeting pabC. Also known as Recombinant Vibrio cholerae serotype O1 Aminodeoxychorismate lyase (pabC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pabC 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 pabC. It may not necessarily be applicable to this product.

NCBI GI #	161581997
NCBI GeneID	2613397
NCBI Accession #	NP_231652.2
UniProt Primary Accession #	Q9KQI0
UniProt Related Accession #	Q9KQI0

GenBank Nucleotide #	NC_002505.1
NCBI Official Full Name	4-amino-4-deoxychorismate lyase
NCBI Official Symbol	VC2018
UniProt Protein Name	Aminodeoxychorismate lyase
UniProt Synonym Protein Names	4-amino-4-deoxychorismate lyase; ADC lyase; ADCL
Protein Family	Aminodeoxychorismate lyase
UniProt Gene Name	pabC
UniProt Synonym Gene Names	ADC lyase; ADCL
NCBI Protein Information	4-amino-4-deoxychorismate lyase
UniProt Comments for pabC	Involved in the biosynthesis of p-aminobenzoate (PABA), a precursor of tetrahydrofolate. Converts 4-amino-4-deoxychorismate into 4-aminobenzoate (PABA) and pyruvate ().
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