2,3,4,5-Tetrahydropyridine-2,6-Dicarboxylate N-Acetyltransferase (dapH) Clostridium Botulinum Recombinant Protein

PRODUCT OVERVIEW

Product Name	2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (dapH), Recombinant Protein
Full Product Name	Recombinant Clostridium botulinum 2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (dapH)
Product Gene Name	dapH recombinant protein
Sequence	MSYNLTDPYE IARYIKEAKK STPIKAYIEG DLSNCDFTNI EKFNSGDLYI LFGESEEILV IIEKNKDKIK NCRIEQDRRK SAIPLLDMLK INARIEPGAT IRDKVIIGEN AVIMMGAVVN IGAEIGEGTM VDMNAVVGAR GKLGKNVHLG AGAVVAGVLE PPSSDPCTIE DNVLIGANAV ILEGVKIGKG SVVAAGSIVT TDVPENVVVA GAPAKIIKEV DVKTKDKTKL LDDLRK
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	25,289 Da
Sequence Positions	1-236, 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 A5I6N5
Species	Clostridium botulinum (strain Hall / 3502 / 13319 / Type A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dapH recombinant protein	MBS1230427 is a recombinant protein targeting dapH. Also known as Recombinant Clostridium botulinum 2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (dapH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dapH 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 dapH. It may not necessarily be applicable to this product.

NCBI GI #	500994678
NCBI Accession #	WP_012048152.1
UniProt Primary Accession #	A5I6N5
UniProt Secondary Accession #	A7G7W9
GenBank Nucleotide #	WP_012048152.1

NCBI Official Full Name	2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase
UniProt Protein Name	2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase
UniProt Synonym Protein Names	Tetrahydrodipicolinate N-acetyltransferase
Protein Family	2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase
UniProt Gene Name	dapH
UniProt Synonym Gene Names	THP acetyltransferase; Tetrahydropicolinate acetylase
UniProt Comments for dapH	Catalyzes the transfer of an acetyl group from acetyl-CoA to tetrahydrodipicolinate.
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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