Acetyl-Coenzyme A Carboxylase Carboxyl Transferase Subunit Alpha (accA) Phenylobacterium Zucineum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha (accA), Recombinant Protein
Full Product Name	Recombinant Phenylobacterium zucineum Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha (accA)
Product Gene Name	accA recombinant protein
Sequence	MAAHYLEFER PIADLEAKIE ELSRLSETAS PGAFDGEIES LRARAQDMRR EAYANLDAWQ KTQVARHPDR PHFVDYVAAL IEDFQELRGD RKFADDQAIM GGLGRFRGMP VVVMGHEKGR DTVTRVKHNF GYARPEGYRK AIRLMELAER FNLPVVSFVD TAGAYPGVAS EERGVAEAIA RSTEKCLMLE TPNVAVITGE GGSGGAIAIA ATSRVLILEH AIYSVIAPEG ANSILWRGAR TAGEAAKAMK ITAQDLERMK IVDRIIREPA GGAHSDPEAA MQAVGDAVEE ELKALLALDA ATLKAQRAER FYAIGRSGLQ
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	34,889 Da
Sequence Positions	1-320, 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 B4RG38
Species	Phenylobacterium zucineum (strain HLK1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for accA recombinant protein	MBS1226299 is a recombinant protein targeting accA. Also known as Recombinant Phenylobacterium zucineum Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha (accA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of accA 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 accA. It may not necessarily be applicable to this product.

NCBI GI #	501513373
NCBI Accession #	WP_012521310.1
UniProt Primary Accession #	B4RG38
GenBank Nucleotide #	WP_012521310.1

NCBI Official Full Name	acetyl-CoA carboxylase carboxyl transferase subunit alpha
UniProt Protein Name	Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha
Protein Family	Acetyl-coenzyme A carboxylase carboxyl transferase
UniProt Gene Name	accA
UniProt Synonym Gene Names	ACCase subunit alpha; Acetyl-CoA carboxylase carboxyltransferase subunit alpha
UniProt Comments for accA	Component of the acetyl coenzyme A carboxylase (ACC) complex. First, biotin carboxylase catalyzes the carboxylation of biotin on its carrier protein (BCCP) and then the CO2 group is transferred by the carboxyltransferase to acetyl-CoA to form malonyl-CoA.
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