Acetyl-Coenzyme A Carboxylase Carboxyl Transferase Subunit Alpha (accA) Cupriavidus Necator Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha (accA), Recombinant Protein
Full Product Name	Recombinant Cupriavidus necator Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha (accA)
Product Gene Name	accA recombinant protein
Product Synonym Gene Name	accA
Sequence	MKTTFLDFEQ PIAELEAKIE ELRFVQDDSA VDISEEISRL AGKSQQLTKD IYANLTPWQV AQIARHPQRP YTLDYVREIF TDFHELHGDR TFADDLSIIG GLARFNGQAC MVIGHQKGRD TKERAMRNFG MPKPEGYRKA KRLMELADKF GLPIFTFVDT PGAFPGIDAE ERGQSEAIGH NLYVMAGLKV PLIATIIGEG GSGGALAIAV GDVVQMLQFA TYAVISPEGC ASILWKTAEK APEAAEALGL TAHRLKALGL IDKIVSEPLG GAHRDYKGMA AMLKRSLAES LRQFQGMSVK ELQARRYERL LAYGKFKETG TQD
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	35,664 Da
Sequence Positions	1-323, 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 Q0KCA7
Species	Cupriavidus necator (strain 17699 / H16 / DSM 428 / Stanier 337) (Ralstonia eutropha)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for accA recombinant protein	MBS1479908 is a recombinant protein targeting accA. Also known as Recombinant Cupriavidus necator 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 #	498508483
NCBI Accession #	WP_010808961.1
UniProt Primary Accession #	Q0KCA7

GenBank Nucleotide #	WP_010808961.1
NCBI Official Full Name	MULTISPECIES: 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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