Acetyl-Coenzyme A Carboxylase Carboxyl Transferase Subunit Beta (accD) Methylobacterium Extorquens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta (accD), Recombinant Protein
Full Product Name	Recombinant Methylobacterium extorquens Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta (accD)
Product Gene Name	accD recombinant protein
Product Synonym Gene Name	accD; METDI5481
Product Synonym Names	Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta; ACCase subunit beta; Acetyl-CoA carboxylase carboxyltransferase subunit beta; EC=6.4.1.2
Sequence	MVEPMNWISE VVRPRIKTLF KRETPENLWV KCPDTGQMVF HKEVEQNHWV IPGSEHHLKM SATARLKMMF DEGTWIDVPL PEVPADPLKF RDEKRYVDRL KEARAKTGMP DAFKIGFGRV GSLPMTIAAQ EFGFMAGSLG MAGGEAFVRG AETALEKRTP YVLFAASGGA RMQEGILSLM QMPRTTVAVR RLRAARLPYI VVLTNPTTGG VTASYAMLGD VHLAEPGALI CFAGPRVIEQ TIREKLPDGF QRAEYLREHG MVDQVVHRHQ LKETISRLCG LLMDVRRTPE PGTAPEPTTP EPLPNAA
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	34,198 Da
Sequence Positions	1-307aa; 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 C7CMU4
Species	Methylobacterium extorquens (strain DSM 5838 / DM4) (Methylobacterium dichloromethanicum (strain DM4))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for accD recombinant protein	MBS1205568 is a recombinant protein targeting accD. Also known as Recombinant Methylobacterium extorquens Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta (accD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of accD 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 accD. It may not necessarily be applicable to this product.

NCBI GI #	254563804

NCBI GeneID	8195436
NCBI Accession #	YP_003070899.1
UniProt Primary Accession #	C7CMU4
UniProt Related Accession #	C7CMU4
GenBank Nucleotide #	NC_012988.1
NCBI Official Full Name	acetyl-CoA carboxylase, carboxyltransferase subunit beta
NCBI Official Symbol	accD
UniProt Protein Name	Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta
Protein Family	Acetyl-coenzyme A carboxylase carboxyl transferase
UniProt Gene Name	accD
UniProt Synonym Gene Names	ACCase subunit beta; Acetyl-CoA carboxylase carboxyltransferase subunit beta
UniProt Entry Name	ACCD_METED
NCBI Protein Information	acetyl-CoA carboxylase, carboxyltransferase subunit beta
UniProt Comments for accD	Component of the acetyl coenzyme A carboxylase (ACC) complex. Biotin carboxylase (BC) catalyzes the carboxylation of biotin on its carrier protein (BCCP) and then the CO2 group is transferred by the transcarboxylase to acetyl-CoA to form malonyl-CoA.
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