Choline Dehydrogenase (betA) Burkholderia Vietnamiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Choline dehydrogenase (betA), Recombinant Protein
Full Product Name	Recombinant Burkholderia vietnamiensis Choline dehydrogenase (betA), partial
Product Gene Name	betA recombinant protein
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	62,943 Da
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 A4JJG6
Species	Burkholderia vietnamiensis (strain G4 / LMG 22486) (Burkholderia cepacia (strain R1808))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for betA recombinant protein	MBS1226519 is a recombinant protein targeting betA. Also known as Recombinant Burkholderia vietnamiensis Choline dehydrogenase (betA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of betA 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 betA. It may not necessarily be applicable to this product.

NCBI GI #	166224131
NCBI Accession #	A4JJG6.1
UniProt Primary Accession #	A4JJG6
NCBI Official Full Name	Oxygen-dependent choline dehydrogenase
UniProt Protein Name	Oxygen-dependent choline dehydrogenase
UniProt Synonym Protein Names	Betaine aldehyde dehydrogenase
Protein Family	Oxygen-dependent choline dehydrogenase
UniProt Gene Name	betA
UniProt Synonym Gene Names	CDH; CHD; BADH

UniProt Comments for betA	Involved in the biosynthesis of the osmoprotectant glycine betaine. Catalyzes the oxidation of choline to betaine aldehyde and betaine aldehyde to glycine betaine at the same rate.
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