Betaine Aldehyde Dehydrogenase (betB) Acinetobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Betaine aldehyde dehydrogenase (betB), Recombinant Protein
Full Product Name	Recombinant Acinetobacter sp. Betaine aldehyde dehydrogenase (betB)
Product Gene Name	betB recombinant protein
Product Synonym Gene Name	betB
Sequence	MSDVKLHRLY IHGQYTDATS GKTFDSINPA TGEVIATIQQ ASQTDIEAAV KSAAEGQKVW AAKTAVERSR ILRRAVDILR ERNDELAQLE TLDTGKAFSE TSTVDIVTGA DVLEYYAGLA TAIQGEQVPL RESSFFYTRR EPLGVVAGIG AWNYPIQIAL WKSAPALAAG NAMIFKPSEV TPLTAFKLAE IYSEAGLPAG VFNVVQGAGR EIGQWLTEHA VIEKISFTGG VETGKKVMAS AAGSTLKEVT MELGGKSPLI ICEDANLDRA ADIAVMANFF SSGQVCTNGT RVFIPQRLKA AFEQAVVERV KRIRMGDPQH TDTNFGPLVS FPHMEKVLSY IESGKQQGAK VLIGGERATT GLLAQGAYVQ PTVFTDCHDD MKIVQEEIFG PVMSILTYDT IEEAIERANN TNFGLAAGVV TQNISQAHQI IHQLEAGICW INTWGESPAE MPVGGYKESG VGRENGISTL NHYTRTKSIQ VELGDYQSVF
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	53,041 Da
Sequence Positions	1-490, Full length
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 Q6FDF8
Species	Acinetobacter sp. (strain ADP1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for betB recombinant protein	MBS1305877 is a recombinant protein targeting betB. Also known as Recombinant Acinetobacter sp. Betaine aldehyde dehydrogenase (betB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of betB 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 betB. It may not necessarily be applicable to this product.

NCBI GI #	491060162
NCBI Accession #	WP_004921796.1
UniProt Primary Accession #	Q6FDF8
GenBank Nucleotide #	WP_004921796.1

NCBI Official Full Name	MULTISPECIES: betaine-aldehyde dehydrogenase
UniProt Protein Name	NAD/NADP-dependent betaine aldehyde dehydrogenase
Protein Family	NAD/NADP-dependent betaine aldehyde dehydrogenase
UniProt Gene Name	betB
UniProt Synonym Gene Names	BADH
UniProt Comments for betB	Involved in the biosynthesis of the osmoprotectant glycine betaine. Catalyzes the reversible oxidation of betaine aldehyde to the corresponding acid.
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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