Acetaldehyde Dehydrogenase 1 (Bcep18194_b1187) (Bcep18194_B1187) Burkholderia Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetaldehyde dehydrogenase 1 (Bcep18194_B1187), Recombinant Protein
Full Product Name	Recombinant Burkholderia sp. Acetaldehyde dehydrogenase 1 (Bcep18194_B1187)
Product Gene Name	Bcep18194_B1187 recombinant protein
Product Synonym Gene Name	Bcep18194_B1187
Sequence	MKSKAKVAII GPGNIGTDLM IKVMRHGTHI EMGAMIGVDP KSDGLARAQR MGVAISSDGI DGLLALDVFK EIDIVFDATS AGAHKRHNDV LQAHGVQVID LTPAAIGPYV IPAINLESEN APNMNMVTCG GQATIPMVAA ISRVTKVHYA EIVASISSKS AGPGTRANID EFTETTRKAI EQLGGASRGK AIIILNPAEP PLIMRDTVFA LSDPADQGKI EDSIAQMVAS VQAYVPGYRL KQKVQFDVIT ADKPLNVPGV GLKHGLKTSV FLEVEGAAHY LPSYAGNLDI MTSAALACGD MMARRRMAAG IARGHKEAV
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	33,598 Da
Sequence Positions	1-319, 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 Q397R0
Species	Burkholderia sp. (strain 383) (Burkholderia cepacia (strain 17760 / NCIB 9086 / R18194))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Bcep18194_B1187 recombinant protein	MBS1335626 is a recombinant protein targeting Bcep18194_B1187. Also known as Recombinant Burkholderia sp. Acetaldehyde dehydrogenase 1 (Bcep18194_B1187). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Bcep18194_B1187 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 Bcep18194_B1187. It may not necessarily be applicable to this product.

NCBI GI #	123566423
NCBI Accession #	Q397R0.1
UniProt Primary Accession #	Q397R0

NCBI Official Full Name	Acetaldehyde dehydrogenase 1
UniProt Protein Name	Acetaldehyde dehydrogenase 1
UniProt Synonym Protein Names	Acetaldehyde dehydrogenase [acetylating] 1
UniProt Gene Name	Bcep18194_B1187
UniProt Comments for Bcep18194_B1187	Catalyzes the conversion of acetaldehyde to acetyl-CoA, using NAD+ and coenzyme A. Is the final enzyme in the meta-cleavage pathway for the degradation of aromatic compounds.
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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