Fructose-Bisphosphate Aldolase, Plasmid (cbbAP) Cupriavidus Necator Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fructose-bisphosphate aldolase, plasmid (cbbAP), Recombinant Protein
Full Product Name	Recombinant Cupriavidus necator Fructose-bisphosphate aldolase, plasmid (cbbAP)
Product Gene Name	cbbAP recombinant protein
Product Synonym Gene Name	cbbAP
Sequence	MALISLRQLL DHAGEFGYGV PAFNVNNLEQ IHAIMEAAEE TDSPVILQAS AGARKYAGEA YLRHMVLAAA ETHPDIPIVL HQDHGSSPAV CQASIRSGFT SVMMDGSLRE DMKTPSDYDY NVDVTRRVCE MAHAVGVSVE GELGCLGSLE TGQAGEEDGV GAAGTLSHDM MLTDPAQARD FVARTGVDAL AIAIGTSHGA YKFSRKPTGD ILAIDRIREI HEQIPDTHLV MHGSSSVPQE WLEIIRQYGG DIKETYGVPV EEILRGIKTG VRKVNIDTDI RLAMTGAIRK SLAEDRSEFD PRKALLAAKK GARSVVKLRF EAFGCAGQAS KIKPIAMEQL AQWYR
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	37,412 Da
Sequence Positions	1-345, 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 Q59101
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 cbbAP recombinant protein	MBS1408875 is a recombinant protein targeting cbbAP. Also known as Recombinant Cupriavidus necator Fructose-bisphosphate aldolase, plasmid (cbbAP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cbbAP 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 cbbAP. It may not necessarily be applicable to this product.

NCBI GI #	499467688
NCBI Accession #	WP_011154328.1
UniProt Primary Accession #	Q59101
UniProt Secondary Accession #	Q7WWS6

GenBank Nucleotide #	WP_011154328.1
NCBI Official Full Name	Fructose-bisphosphate aldolase plasmid
UniProt Protein Name	Fructose-bisphosphate aldolase, plasmid
UniProt Synonym Protein Names	Fructose-1,6-bisphosphate aldolase
Protein Family	Fructose-bisphosphate aldolase
UniProt Gene Name	cbbAP
UniProt Synonym Gene Names	FBP aldolase; FBPA
UniProt Comments for cbbAP	Catalyzes the aldol condensation of dihydroxyacetone phosphate (DHAP or glycerone-phosphate) with glyceraldehyde 3-phosphate (G3P) to form fructose 1,6-bisphosphate (FBP) in gluconeogenesis and the reverse reaction in glycolysis.
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