Fructose-Bisphosphate Aldolase (fbaA) Aspergillus Oryzae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fructose-bisphosphate aldolase (fbaA), Recombinant Protein
Full Product Name	Recombinant Aspergillus oryzae Fructose-bisphosphate aldolase (fbaA)
Product Gene Name	fbaA recombinant protein
Product Synonym Gene Name	fbaA
Sequence	MGVGVLEKLS RKTGVIVGDD VLRLFEHAQQ NNYAIPAVNV TSSSTVVASL EAARDQNCPI VLQLSQGGAA YFAGKGVSND GQQASIAGGI AAAHYIRSLA PAYGIPVVLH TDHCAKKLLP WLDGLLDEDE RYFKLHGEPL FSSHMIDLSE EPVDYNIQTT AAYLKRAAPM KQWLEMEIGI TGGEEDGVNN EDVDNNSLYT QPEDILAIHK ALSPISPYFS IAAGFGNVHG VYKPGNVKLH PELLKKHQAY VKEKIGSNKD KPVFFVFHGG SGSSKEEYKE AISYGVVKVN VDTDMQFAYM SGIRDYILKK KDYLMTAVGN PEGEDKPNKK SFDPRVWVRE GEKTMSQRVK VALEDFNTAG QL
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	39,721 Da
Sequence Positions	1-362, 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 Q9HGY9
Species	Aspergillus oryzae (strain 42149 / RIB 40) (Yellow koji mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fbaA recombinant protein	MBS1374331 is a recombinant protein targeting fbaA. Also known as Recombinant Aspergillus oryzae Fructose-bisphosphate aldolase (fbaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fbaA 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 fbaA. It may not necessarily be applicable to this product.

NCBI GI #	169770805
NCBI GeneID	5991855
NCBI Accession #	XP_001819872.1
UniProt Primary Accession #	Q9HGY9

UniProt Secondary Accession #	Q2UKP5
UniProt Related Accession #	Q9HGY9
GenBank Nucleotide #	XM_001819820.3
NCBI Official Full Name	unnamed protein product
NCBI Official Symbol	AO090003000725
UniProt Protein Name	Fructose-bisphosphate aldolase
UniProt Synonym Protein Names	Fructose-1,6-bisphosphate aldolase
Protein Family	Fructose-bisphosphate aldolase
UniProt Gene Name	fbaA
UniProt Synonym Gene Names	FBP aldolase; FBPA
NCBI Protein Information	hypothetical protein
UniProt Comments for fbaA	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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