Fructose-Bisphosphate Aldolase (fba) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fructose-bisphosphate aldolase (fba), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Fructose-bisphosphate aldolase (fba)
Product Gene Name	fba recombinant protein
Product Synonym Gene Name	fba
Sequence	MPLVSMKEML IDAKENGYAV GQYNINNLEF TQAILEASQE ENAPVILGVS EGAARYMSGF YTIVKMVEGL MHDLNITIPV AIHLDHGSSF EKCKEAIDAG FTSVMIDASH SPFEENVATT KKVVEYAHEK GVSVEAELGT VGGQEDDVVA DGIIYADPKE CQELVEKTGI DALAPALGSV HGPYKGEPKL GFKEMEEIGL STGLPLVLHG GTGIPTKDIQ KAIPFGTAKI NVNTENQIAS AKAVRDVLNN DKEVYDPRKY LGPAREAIKE TVKGKIKEFG TSNRAK
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	30,836 Da
Sequence Positions	1-286, 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 Q5HE75
Species	Staphylococcus aureus (strain COL)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fba recombinant protein	MBS1373004 is a recombinant protein targeting fba. Also known as Recombinant Staphylococcus aureus Fructose-bisphosphate aldolase (fba). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fba 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 fba. It may not necessarily be applicable to this product.

NCBI GI #	447054585
NCBI Accession #	WP_001131841.1
UniProt Primary Accession #	Q5HE75
GenBank Nucleotide #	WP_001131841.1
NCBI Official Full Name	MULTISPECIES: fructose-bisphosphate aldolase

UniProt Protein Name	Fructose-bisphosphate aldolase
UniProt Synonym Protein Names	Fructose-1,6-bisphosphate aldolase
UniProt Gene Name	fba
UniProt Synonym Gene Names	fbaA; FBP aldolase; FBPA
UniProt Comments for fba	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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