Fructose-Bisphosphate Aldolase (fba) Streptococcus Pyogenes Serotype M6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fructose-bisphosphate aldolase (fba), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M6 Fructose-bisphosphate aldolase (fba)
Product Gene Name	fba recombinant protein
Product Synonym Gene Name	fba
Sequence	AIVSAEKFVQ AARENGYAVG GFNTNNLEWT QAILRAAEAK QAPVLIQTSM GAAKYMGGYK VCQSLITNLV ESMGITVPVA IHLDHGHYGD ALECIEVGYT SIMFDGSHLP VEENLAKTAE VVKIAHAKGV SVEAEVGTIG GEEDGIIGKG ELAPIEDAKA MVETGIDFLA AGIGNIHGPY PENWEGLALD HLEKLTAAVP GFPIVLHGGS GIPDDQIKEA IRLGVAKVNV NTESQIAFSN ATREFARNYE ANEAEYDGKK LFDPRKFLAP GMKAVQGAVE ERIDVFGSAN KA
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	31,136 Da
Sequence Positions	2-293, 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 Q5XA12
Species	Streptococcus pyogenes serotype M6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fba recombinant protein	MBS1439269 is a recombinant protein targeting fba. Also known as Recombinant Streptococcus pyogenes serotype M6 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 #	499498306
NCBI Accession #	WP_011184946.1
UniProt Primary Accession #	Q5XA12
UniProt Secondary Accession #	P82486

GenBank Nucleotide #	WP_011184946.1
NCBI Official Full Name	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	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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