D-Tagatose-1,6-Bisphosphate Aldolase Subunit Kbay (kbaY) Enterobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-tagatose-1,6-bisphosphate aldolase subunit KbaY (kbaY), Recombinant Protein
Full Product Name	Recombinant Enterobacter sp. D-tagatose-1,6-bisphosphate aldolase subunit KbaY (kbaY)
Product Gene Name	kbaY recombinant protein
Sequence	MSIISTKYLL QDAQAKGYAV PAFNIHNAET IQAILEVCSE MRSPVILAGT PGTFKHIALE EIYALCSAYS ISYDMPLALH LDHHESLDDI RRKVNAGVRS AMIDGSHFPF EQNVTLVKSV VDFCHLNDCS VEAELGRLGG MEDDMSVDAE SAFLTDPQEA KRFVELTGVD SLAVAIGTAH GLYTKRPKID FQRLAEIRDV VDIPLVLHGA SDVPDEFVRR TIELGVCKVN VATELKIAFS AAVKEWFNEN PQGNDPRFYM RVGMDAMKEV VKNKINVCGS ANKLVLDSAV VL
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	32,127 Da
Sequence Positions	1-292, 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 A4WEV6
Species	Enterobacter sp. (strain 638)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kbaY recombinant protein	MBS1233888 is a recombinant protein targeting kbaY. Also known as Recombinant Enterobacter sp. D-tagatose-1,6-bisphosphate aldolase subunit KbaY (kbaY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kbaY 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 kbaY. It may not necessarily be applicable to this product.

NCBI GI #	506440845
NCBI Accession #	WP_015960562.1
UniProt Primary Accession #	A4WEV6
GenBank Nucleotide #	WP_015960562.1
NCBI Official Full Name	tagatose-1,6-bisphosphate aldolase

UniProt Protein Name	D-tagatose-1,6-bisphosphate aldolase subunit KbaY
UniProt Synonym Protein Names	D-tagatose-bisphosphate aldolase class II
Protein Family	D-tagatose-1,6-bisphosphate aldolase
UniProt Gene Name	kbaY
UniProt Synonym Gene Names	TBPA; TagBP aldolase
UniProt Comments for kbaY	Catalytic subunit of the tagatose-1,6-bisphosphate aldolase KbaYZ, which catalyzes the reversible aldol condensation of dihydroxyacetone phosphate (DHAP or glycerone-phosphate) with glyceraldehyde 3-phosphate (G3P) to produce tagatose 1,6-bisphosphate (TBP). Requires KbaZ subunit for full activity and stability.
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