2-Isopropylmalate Synthase (leuA) Geobacillus Kaustophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-isopropylmalate synthase (leuA), Recombinant Protein
Full Product Name	Recombinant Geobacillus kaustophilus 2-isopropylmalate synthase (leuA), partial
Product Gene Name	leuA recombinant protein
Product Synonym Gene Name	leuA
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	56,805 Da
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 Q5KWJ3
Species	Geobacillus kaustophilus (strain HTA426)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for leuA recombinant protein	MBS1285451 is a recombinant protein targeting leuA. Also known as Recombinant Geobacillus kaustophilus 2-isopropylmalate synthase (leuA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of leuA 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 leuA. It may not necessarily be applicable to this product.

NCBI GI #	499551351
NCBI Accession #	WP_011232134.1
UniProt Primary Accession #	Q5KWJ3
GenBank Nucleotide #	WP_011232134.1
NCBI Official Full Name	MULTISPECIES: 2-isopropylmalate synthase
UniProt Protein Name	2-isopropylmalate synthase
UniProt Synonym Protein Names	Alpha-IPM synthase
Protein Family	2-isopropylmalate synthase
UniProt Gene Name	leuA

UniProt Comments for leuA	Catalyzes the condensation of the acetyl group of acetyl-CoA with 3-methyl-2-oxobutanoate (2-oxoisovalerate) to form 3-carboxy-3-hydroxy-4-methylpentanoate (2-isopropylmalate).
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