3-Isopropylmalate Dehydratase Large Subunit (leuC) Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-isopropylmalate dehydratase large subunit (leuC), Recombinant Protein
Full Product Name	Recombinant 3-isopropylmalate dehydratase large subunit (leuC)
Product Gene Name	leuC recombinant protein
Product Synonym Names	3-isopropylmalate dehydratase large subunit; EC=4.2.1.33; Alpha-IPM isomerase; IPMI; Isopropylmalate isomerase
Sequence	MSKTLYQKIY DSHVVYKDKS NMSILYIDLH LIHEVTSPQA FDSLRHKKRG VRQPQKTFAT MDHNVSTQSK NINASGSMAQ KQMEQLIKNC NEFNISLYDV NNPNQGIVHV IAPEKGMTLP GMTIVCGDSH TSTHGAFGAL SFGIGTSEVE HVLATQTLKQ KRFKNMKITI IGKVPEFITA KDIILFIIGQ LGSSRGTGYV IEFFGDVINN MSMEERMTLC NMAIEMGAKS GLIAPDEITY SYLKNKIYSP YGIFWKKAID YWSTLKSDKN AYFDKFFTID ISNLAPQITW GTNPDQVISI DEKIPNHNKF DSSIIRDSIK SACKYMGLKE GTYLTDVSVD KVFIGSCTNA RIEDLRSASK ILKNKKISKN VKAIVVPGSG SVKEQAEKEG LDKIFINAGF EWRLPGCSMC LGMNNDRLNF GERCASXSNR NFEGRQGRGG RTH
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	49,557 Da
Sequence Positions	1-443aa; 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 Q9EVH4
Species	Buchnera aphidicola subsp. Uroleucon erigeronensis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for leuC recombinant protein	MBS1342811 is a recombinant protein targeting leuC. Also known as Recombinant 3-isopropylmalate dehydratase large subunit (leuC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of leuC 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 leuC. It may not necessarily be applicable to this product.

NCBI GI #	22095862
NCBI Accession #	Q9EVH4.1
UniProt Primary Accession #	Q9EVH4
NCBI Official Full Name	3-isopropylmalate dehydratase large subunit

UniProt Protein Name	3-isopropylmalate dehydratase large subunit
UniProt Synonym Protein Names	Alpha-IPM isomerase; Isopropylmalate isomerase
Protein Family	3-isopropylmalate dehydratase
UniProt Gene Name	leuC
UniProt Synonym Gene Names	IPMI
UniProt Entry Name	LEUC_BUCUE
UniProt Comments for leuC	Catalyzes the isomerization between 2-isopropylmalate and 3-isopropylmalate, via the formation of 2-isopropylmaleate.
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