Pyruvate Dehydrogenase E1 Component Subunit Beta, Mitochondrial (PDHE1-B) Solanum Tuberosum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial (PDHE1-B), Recombinant Protein
Full Product Name	Recombinant Solanum tuberosum Pyruvate dehydrogenase E1 component subunit beta, mitochondrial
Product Gene Name	PDHE1-B recombinant protein
Product Synonym Names	Recombinant Pyruvate dehydrogenase E1 component subunit beta, mitochondrial; Pyruvate dehydrogenase E1 component subunit beta, mitochondrial; PDHE1-B EC= 1.2.4.1
Sequence	ISAVKEMTVR DALNSA
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	1,705 Da
Sequence Positions	1-16aa; 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 P81419
Species	Solanum tuberosum (Potato)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PDHE1-B recombinant protein	MBS1212045 is a recombinant protein targeting PDHE1-B. Also known as Recombinant Solanum tuberosum Pyruvate dehydrogenase E1 component subunit beta, mitochondrial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PDHE1-B 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 PDHE1-B. It may not necessarily be applicable to this product.

NCBI GI #	6093613
NCBI Accession #	P81419.1
UniProt Primary Accession #	P81419
NCBI Official Full Name	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial
UniProt Protein Name	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial

UniProt Gene Name	PDHE1-B
UniProt Synonym Gene Names	PDHE1-B
UniProt Entry Name	ODPB_SOLTU
UniProt Comments for PDHE1-B	Function: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO2. It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). Catalytic activity: Pyruvate + [dihydrolipoyllysine-residue acetyltransferase] lipoyllysine = [dihydrolipoyllysine-residue acetyltransferase] S-acetyldihydrolipoyllysine + CO2. Cofactor: Thiamine pyrophosphate. Subunit structure: Tetramer of 2 alpha and 2 beta subunits By similarity. Subcellular location: Mitochondrion matrix.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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