L-Threonine 3-Dehydrogenase (tdh) Burkholderia Ambifaria Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-threonine 3-dehydrogenase (tdh), Recombinant Protein
Full Product Name	Recombinant Burkholderia ambifaria L-threonine 3-dehydrogenase (tdh)
Product Gene Name	tdh recombinant protein
Sequence	MKALAKLERG PGLTLTRVKR PEVGHNDVLI KIHRTAICGT DIHIWKWDDW AQKTIPVPMH VGHEYVGEIV EMGQEVRGFA IGDRVSGEGH ITCGFCRNCR AGRRHLCRNT VGVGVNREGA FAEYLAIPAF NAFKIPPEIS DDLASIFDPF GNATHTALSF NLVGEDVLIT GAGPIGVMAA AIAKHVGARN VVITDINDYR LELARKMGAT RAVNVSRESL RDVMADLHMT EGFDVGLEMS GVPSAFTSML EAMNHGGKVA LLGIPPAQTA IDWNQVIFKG LEIKGIYGRE MFETWYKMVA MLQSGLDLSP IITHRFAADD YEKGFAAMLS GESGKVILDW TV
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	37,359 Da
Sequence Positions	1-342, 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 B1YXP0
Species	Burkholderia ambifaria (strain MC40-6)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tdh recombinant protein	MBS1254040 is a recombinant protein targeting tdh. Also known as Recombinant Burkholderia ambifaria L-threonine 3-dehydrogenase (tdh). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tdh 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 tdh. It may not necessarily be applicable to this product.

NCBI GI #	493803801
NCBI Accession #	WP_006751655.1
UniProt Primary Accession #	B1YXP0
GenBank Nucleotide #	WP_006751655.1
NCBI Official Full Name	L-threonine 3-dehydrogenase
UniProt Protein Name	L-threonine 3-dehydrogenase

Protein Family	4-dihydromethyl-trisporate dehydrogenase
UniProt Gene Name	tdh
UniProt Synonym Gene Names	TDH
UniProt Comments for tdh	Catalyzes the NAD+-dependent oxidation of L-threonine to 2-amino-3-ketobutyrate.
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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