UDP-Glucose 6-Dehydrogenase Tuad (tuaD) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-glucose 6-dehydrogenase tuaD (tuaD), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis UDP-glucose 6-dehydrogenase tuaD (tuaD)
Product Gene Name	tuaD recombinant protein
Sequence	MKKIAVIGTG YVGLVSGTCF AEIGNKVVCC DIDESKIRSL KNGVIPIYEP GLADLVEKNV LDQRLTFTND IPSAIRASDI IYIAVGTPMS KTGEADLTYV KAAAKTIGEH LNGYKVIVNK STVPVGTGKL VQSIVQKASK GRYSFDVVSN PEFLREGSAI HDTMNMERAV IGSTSHKAAA IIEELHQPFH APVIKTNLES AEMIKYAANA FLATKISFIN DIANICERVG ADVSKVADGV GLDSRIGRKF LKAGIGFGGS CFPKDTTALL QIAKSAGYPF KLIEAVIETN EKQRVHIVDK LLTVMGSVKG RTISVLGLAF KPNTNDVRSA PALDIIPMLQ QLGAHVKAYD PIAIPEASAI LGEQVEYYTD VYAAMEDTDA CLILTDWPEV KEMELVKVKT LLKQPVIIDG RNLFSLEEMQ AAGYIYHSIG RPAVRGTEPS DKYFPGLPLE ELAKDLGSVN L
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	49,816 Da
Sequence Positions	1-461, 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 O32271
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuaD recombinant protein	MBS1226079 is a recombinant protein targeting tuaD. Also known as Recombinant Bacillus subtilis UDP-glucose 6-dehydrogenase tuaD (tuaD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tuaD 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 tuaD. It may not necessarily be applicable to this product.

NCBI GI #	16080611
NCBI GeneID	936766
NCBI Accession #	NP_391438.1
UniProt Primary Accession #	O32271
UniProt Related Accession #	O32271

GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	UDP-glucose 6-dehydrogenase TuaD
NCBI Official Symbol	tuaD
UniProt Protein Name	UDP-glucose 6-dehydrogenase TuaD
UniProt Synonym Protein Names	Teichuronic acid biosynthesis protein TuaD
Protein Family	UDP-glucose 6-dehydrogenase
UniProt Gene Name	tuaD
UniProt Synonym Gene Names	yvhD; UDP-Glc dehydrogenase; UDP-GlcDH; UDPGDH
NCBI Protein Information	UDP-glucose 6-dehydrogenase TuaD
UniProt Comments for tuaD	Catalyzes the conversion of UDP-glucose into UDP-glucuronate, one of the precursors of teichuronic acid.
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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