Putative CDP-Glycerol:glycerophosphate Glycerophosphotransferase Tarf (tarF) Bacillus Subtilis Subsp. Spizizenii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative CDP-glycerol:glycerophosphate glycerophosphotransferase tarF (tarF), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis subsp. spizizenii Putative CDP-glycerol:glycerophosphate glycerophosphotransferase tarF (tarF)
Product Gene Name	tarF recombinant protein
Product Synonym Gene Name	tarF
Sequence	MKSKILMKYR SLLVRIYSIV FRIIGLLPRN EKLIIFESYS GKQFSCNPRA IFEYLEENKD KYDYQLIWSI DKRNKDLFDN SDVNYLRRFS LKWLWYMATA KYWVTNSRLP LWIPKPRNTT YVQTWHGTPL KKLANDMDEV HMPGTTTEQY KRNFLKEASK WDYLISPNAY STEIFRSAFQ FKKTFIESGY PRNDFLHKKN RNEEMLKIKE RLGINKDKKI ILYAPTWRDN SFYAKGKYKF NMVLDLESLK NQLCNEYILI LRMHYLVSEN INLTEYKEFA YDFSDHNDIR ELYLISDILI TDYSSVFFDF AGLKRPILFY VPDIEFYRDN LRGFYYDFEK CAPGPLLKTT EKVIEAIHKT KNYKQDENIT SFYDQFCYLE KGDSSKKVVE ELLG
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	47,432 Da
Sequence Positions	1-394, 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 Q8RKI5
Species	Bacillus subtilis subsp. spizizenii (strain 23059 / NRRL B-14472 / W23)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tarF recombinant protein	MBS1386864 is a recombinant protein targeting tarF. Also known as Recombinant Bacillus subtilis subsp. spizizenii Putative CDP-glycerol:glycerophosphate glycerophosphotransferase tarF (tarF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tarF 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 tarF. It may not necessarily be applicable to this product.

NCBI GI #	32171683
NCBI Accession #	Q8RKI5.1

UniProt Primary Accession #	Q8RKI5
UniProt Secondary Accession #	B7ZDL1; E0U4X3
NCBI Official Full Name	Teichoic acid poly(glycerol phosphate) polymerase
UniProt Protein Name	Teichoic acid poly(glycerol phosphate) polymerase
Protein Family	Putative CDP-glycerol:glycerophosphate glycerophosphotransferase
UniProt Gene Name	tarF
UniProt Comments for tarF	Catalyzes the addition of further 2-8 glycerol phosphate units from CDP-glycerol to the single glycerol phosphate unit bound to the prenolpyrophosphate-linked disaccharide. The function in the cell is unknown since the product is not part of the poly(ribitol phosphate) teichoic acid found in the cell walls.
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