Anthranilate Phosphoribosyltransferase (trpD) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Anthranilate phosphoribosyltransferase (trpD), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus Anthranilate phosphoribosyltransferase (trpD)
Product Gene Name	trpD recombinant protein
Sequence	MSTNLSNAEI LNNLLEGRDL DELTSRALMQ RWLNDEISDV ETGAFLSALR AKSSTGVELS SMAKELLNVC ELPVARPNLY LVDTCGTGGD GANTFNISTA VAFVAASCGV KIAKHGNKSA SGKVGSADVL LNLGLNLNCS LEKVINAVSE IGITFLFAPV WHKSLIKLAP LRKTLGIRTV FNQLGPLVNP LRPNAQVLGV ASEDLLQPMG SALLNLGMNR AIVVHGSGGL DEASLQGKNK LVFIENGELR FSEINISDFN HENIANENLV VSDLDSNEEI LKSVLNGSGQ KSHMDVVALN VSLVLWAAGI EDNLNEGFNK ALFSINKGDP WKKFLLLKNY LSAN
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	36,880 Da
Sequence Positions	1-344, 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 A3PCQ4
Species	Prochlorococcus marinus (strain MIT 9301)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpD recombinant protein	MBS1217783 is a recombinant protein targeting trpD. Also known as Recombinant Prochlorococcus marinus Anthranilate phosphoribosyltransferase (trpD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpD 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 trpD. It may not necessarily be applicable to this product.

NCBI GI #	500189521
NCBI Accession #	WP_011862878.1
UniProt Primary Accession #	A3PCQ4
GenBank Nucleotide #	WP_011862878.1
NCBI Official Full Name	anthranilate phosphoribosyltransferase

UniProt Protein Name	Anthranilate phosphoribosyltransferase
Protein Family	Anthranilate phosphoribosyltransferase
UniProt Gene Name	trpD
UniProt Comments for trpD	Catalyzes the transfer of the phosphoribosyl group of 5-phosphorylribose-1-pyrophosphate (PRPP) to anthranilate to yield N-(5'-phosphoribosyl)-anthranilate (PRA).
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