Putative Regulator of Ribonuclease Activity (Azosea25360) (AZOSEA25360) Aromatoleum Aromaticum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative regulator of ribonuclease activity (AZOSEA25360), Recombinant Protein
Full Product Name	Recombinant Aromatoleum aromaticum Putative regulator of ribonuclease activity (AZOSEA25360)
Product Gene Name	AZOSEA25360 recombinant protein
Product Synonym Gene Name	AZOSEA25360
Sequence	MEFQTADLCD ANESRVKIVS PMFRSYGGRG AFCGRITTLK VFEDNSLVRT ALEGPGQGKV LVVDGGGSMR CALVGDQLAL LGVKNQWAGV IVYGCIRDSK AIGTMELGVF ALGSHPLKSI KKGAGDVDIA VTFGGVTFTP GHFIYADEDG VVVSESSLL
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	16,705 Da
Sequence Positions	1-159, 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 Q5P203
Species	Aromatoleum aromaticum (strain EbN1) (Azoarcus sp. (strain EbN1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AZOSEA25360 recombinant protein	MBS1314580 is a recombinant protein targeting AZOSEA25360. Also known as Recombinant Aromatoleum aromaticum Putative regulator of ribonuclease activity (AZOSEA25360). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AZOSEA25360 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 AZOSEA25360. It may not necessarily be applicable to this product.

NCBI GI #	499557562
NCBI Accession #	WP_011238345.1
UniProt Primary Accession #	Q5P203
GenBank Nucleotide #	WP_011238345.1

NCBI Official Full Name	ribonuclease
UniProt Protein Name	Putative 4-hydroxy-4-methyl-2-oxoglutarate aldolase
UniProt Synonym Protein Names	Oxaloacetate decarboxylase (EC:4.1.1.3); OAA decarboxylase; Regulator of ribonuclease activity homolog; RraA-like protein
UniProt Gene Name	AZOSEA25360
UniProt Synonym Gene Names	HMG aldolase; OAA decarboxylase
UniProt Comments for AZOSEA25360	Catalyzes the aldol cleavage of 4-hydroxy-4-methyl-2-oxoglutarate (HMG) into 2 molecules of pyruvate. Also contains a secondary oxaloacetate (OAA) decarboxylase activity due to the common pyruvate enolate transition state formed following C-C bond cleavage in the retro-aldol and decarboxylation reactions ().
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