Bifunctional Protein Pyrr (pyrR) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional protein pyrR (pyrR), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis Bifunctional protein pyrR (pyrR)
Product Gene Name	pyrR recombinant protein
Product Synonym Gene Name	pyrR; TTE1536
Product Synonym Names	Bifunctional protein pyrR; Including the following 2 domains:; Pyrimidine operon regulatory protein; Uracil phosphoribosyltransferase; UPRTase; EC=2.4.2.9
Sequence	MRVKAEIMDE KAIDRALIRI AHEIVERNKG IEDVVLVGIK TRGVPLAKRI ARYISRIEGK EPPVGSLDIT LYRDDLTTDL EQPVVKKKDI GVDVANKIVV LVDDVIYTGR TVRAAMDAII DLGRPKAIQL AELVDRGHRE LPIRPDYVGK NVPTSRSEII QVMLEEVDGV NKVVITEK
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	19,894 Da
Sequence Positions	1-178aa; 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 Q8R9R3
Species	Thermoanaerobacter tengcongensis (strain DSM 15242 / JCM 11007 / NBRC 100824 / MB4) (Caldanaerobacter subterraneus subsp. tengcongensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrR recombinant protein	MBS1371336 is a recombinant protein targeting pyrR. Also known as Recombinant Thermoanaerobacter tengcongensis Bifunctional protein pyrR (pyrR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrR 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 pyrR. It may not necessarily be applicable to this product.

NCBI GI #	20807972
NCBI GeneID	996231
NCBI Accession #	NP_623143.1
UniProt Primary Accession #	Q8R9R3

UniProt Related Accession #	Q8R9R3
GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	bifunctional pyrimidine regulatory protein PyrR/uracil phosphoribosyltransferase
NCBI Official Symbol	PyrR
UniProt Protein Name	Bifunctional protein PyrR
Protein Family	Bifunctional protein
UniProt Gene Name	pyrR
UniProt Synonym Gene Names	UPRTase
UniProt Entry Name	PYRR_THETN
NCBI Protein Information	bifunctional pyrimidine regulatory protein PyrR/uracil phosphoribosyltransferase
UniProt Comments for pyrR	Regulates transcriptional attenuation of the pyrimidine nucleotide (pyr) operon by binding in a uridine-dependent manner to specific sites on pyr mRNA. This disrupts an antiterminator hairpin in the RNA and favors formation of a downstream transcription terminator, leading to a reduced expression of downstream genes.
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