Bifunctional Protein Pyrr (pyrR) Streptococcus Agalactiae Serotype Ia Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional protein pyrR (pyrR), Recombinant Protein
Full Product Name	Recombinant Streptococcus agalactiae serotype Ia Bifunctional protein pyrR (pyrR)
Product Gene Name	pyrR recombinant protein
Product Synonym Gene Name	pyrR
Sequence	MKRKEIIDDV TMKRAITRIT YEIIERNKNL DNIVLAGIKT RGVFLAKRIQ ERLKQLENLD IPVGELDTKP FRDDMKVEVD TTTMPVDITD KDIILIDDVL YTGRTIRAAI DNLVSLGRPS RVSLAVLIDR GHRELPIRAD YVGKNIPTSQ FEEILVEVME HDGYDRVSII DPS
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	19,800 Da
Sequence Positions	1-173, 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 Q3K0E8
Species	Streptococcus agalactiae serotype Ia
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrR recombinant protein	MBS1343500 is a recombinant protein targeting pyrR. Also known as Recombinant Streptococcus agalactiae serotype Ia 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 #	446745800
NCBI Accession #	WP_000823056.1
UniProt Primary Accession #	Q3K0E8
GenBank Nucleotide #	WP_000823056.1
NCBI Official Full Name	MULTISPECIES: bifunctional pyrimidine operon transcriptional regulator/uracil phosphoribosyltransferase

UniProt Protein Name	Bifunctional protein PyrR
Protein Family	Bifunctional protein
UniProt Gene Name	pyrR
UniProt Synonym Gene Names	UPRTase
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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