HTH-Type Transcriptional Repressor Purr (purR) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTH-type transcriptional repressor PurR (purR), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b HTH-type transcriptional repressor PurR (purR)
Product Gene Name	purR recombinant protein
Product Synonym Gene Name	purR
Sequence	MATIKDVAKR ANVSTTTVSH VINKTRFVAE ETRNAVWAAI KELHYSPSAV ARSLKVNHTK SIGLLATSSE AAYFAEIIEA VEKNCFQKGY TLILGNAWNN LEKQRAYLSM MAQKRVDGLL VMCSEYPEPL LAMLEEYRHI PMVVMDWGEA KADFTDAVID NAFEGGYMAG RYLIERGHRE IGVIPGPLER NTGAGRLAGF MKAMEEAMIK VPESWIVQGD FEPESGYRAM QQILSQPHRP TAVFCGGDIM AMGALCAADE MGLRVPQDVS LIGYDNVRNA RYFTPALTTI HQPKDSLGET AFNMLLDRIV NKREEPQSIE VHPRLIERRS VADGPFRDYR R
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	38,175 Da
Sequence Positions	1-341, 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 Q0T4B4
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purR recombinant protein	MBS1379457 is a recombinant protein targeting purR. Also known as Recombinant Shigella flexneri serotype 5b HTH-type transcriptional repressor PurR (purR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purR 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 purR. It may not necessarily be applicable to this product.

NCBI GI #	446113127
NCBI Accession #	WP_000190982.1
UniProt Primary Accession #	Q0T4B4
GenBank Nucleotide #	WP_000190982.1

NCBI Official Full Name	MULTISPECIES: PurR family transcriptional regulator
UniProt Protein Name	HTH-type transcriptional repressor PurR
UniProt Synonym Protein Names	Pur regulon repressor
Protein Family	HTH-type transcriptional repressor
UniProt Gene Name	purR
UniProt Comments for purR	Is the main repressor of the genes involved in the de novo synthesis of purine nucleotides, regulating purB, purC, purEK, purF, purHD, purL, purMN and guaBA expression. PurR is allosterically activated to bind its cognate DNA by binding the purine corepressors, hypoxanthine or guanine, thereby effecting transcription repression.
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