HTH-Type Transcriptional Regulator Acrr (acrR) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTH-type transcriptional regulator AcrR (acrR), Recombinant Protein
Full Product Name	Recombinant Escherichia coli HTH-type transcriptional regulator AcrR (acrR)
Product Gene Name	acrR recombinant protein
Sequence	MARKTKQEAQ ETRQHILDVA LRLFSQQGVS STSLGEIAKA AGVTRGAIYW HFKDKSDLFS EIWELSESNI GELELEYQAK FPGDPLSVLR EILIHVLEST VTEERRRLLM EIIFHKCEFV GEMAVVQQAQ RNLCLESYDR IEQTLKHCIE AKMLPADLMT RRAAIIMRGY ISGLMENWLF APQSFDLKKE ARDYVAILLE MYLLCPTLRN PATNE
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	24,767 Da
Sequence Positions	1-215, 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 P0ACS9
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for acrR recombinant protein	MBS1109596 is a recombinant protein targeting acrR. Also known as Recombinant Escherichia coli HTH-type transcriptional regulator AcrR (acrR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of acrR 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 acrR. It may not necessarily be applicable to this product.

NCBI GI #	16128448
NCBI GeneID	945516
NCBI Accession #	NP_414997.1
UniProt Primary Accession #	P0ACS9
UniProt Secondary Accession #	P34000; Q2MBW3
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	transcriptional repressor

NCBI Official Symbol	acrR
NCBI Official Synonym Symbols	ECK0458; JW0453; ybaH
UniProt Protein Name	HTH-type transcriptional regulator AcrR
UniProt Synonym Protein Names	Potential acrAB operon repressor
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	acrR
UniProt Synonym Gene Names	ybaH
NCBI Protein Information	transcriptional repressor
NCBI Summary for acrR	TetR family. [More information is available at EcoGene: EG12116]. The "acriflavine resistance regulator", AcrR, regulates the expression of genes involved in multidrug transport and is classified in the nodulation-resistance division family . [More information is available at EcoCyc: EG12116].
UniProt Comments for acrR	Potential regulator protein for the acrAB genes.
Research Articles on acrR	**1.** Studied the genome-wide target genes of E. coli AcrR in a DeltaacrR mutant strain by microarray analysis. Motility assays revealed that AcrR modulates swimming motility, but not swarming.
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