Mhp Operon Transcriptional Activator (mhpR) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mhp operon transcriptional activator (mhpR), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Mhp operon transcriptional activator (mhpR)
Product Gene Name	mhpR recombinant protein
Sequence	MQNNEQTEYK TVRGLTRGLM LLNMLNKLDG GASVGLLAEL SGLHRTTVRR LLETLQEEGY VRRSPSDDSF RLTIKVRQLS EGFRDEQWIS ALAAPLLGDL LREVVWPTDV STLDVDAMVV RETTHRFSRL SFHRAMVGRR LPLLKTASGL TWLAFCPEQD RKELIEMLAS RPGDDYQLAR EPLKLEAILA RARKEGYGQN YRGWDQEEKI ASIAVPLRSE QRVIGCLNLV YMASAMTIEQ AAEKHLPALQ RVAKQIEEGV ESQAILVAGR RSGMHLR
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	31,322 Da
Sequence Positions	1-277, 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 P77569
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mhpR recombinant protein	MBS1253564 is a recombinant protein targeting mhpR. Also known as Recombinant Escherichia coli Mhp operon transcriptional activator (mhpR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mhpR 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 mhpR. It may not necessarily be applicable to this product.

NCBI GI #	145698223
NCBI GeneID	945938
NCBI Accession #	NP_414880.2
UniProt Primary Accession #	P77569
UniProt Secondary Accession #	P71202; Q2MC78
GenBank Nucleotide #	NC_000913.3

NCBI Official Full Name	mhp operon transcriptional activator
NCBI Official Symbol	mhpR
NCBI Official Synonym Symbols	ECK0343; JW0337
UniProt Protein Name	DNA-binding transcriptional activator MhpR
UniProt Synonym Protein Names	mhp operon transcriptional activator
Protein Family	Mhp operon transcriptional activator
UniProt Gene Name	mhpR
NCBI Protein Information	mhp operon transcriptional activator
UniProt Comments for mhpR	Activator of the mhpABCDFE operon coding for components of the 3-hydroxyphenylpropionate degradation pathway.
Research Articles on mhpR	**1.** 3-Hydroxyphenylpropionate and phenylpropionate are synergistic activators of the MhpR transcriptional regulator from Escherichia coli
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