HTH-Type Transcriptional Regulator Murr (murR) Escherichia Coli O9:h4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTH-type transcriptional regulator murR (murR), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O9:H4 HTH-type transcriptional regulator murR (murR)
Product Gene Name	murR recombinant protein
Sequence	MLYLTKIRNA ESEFTGNEQK IADFLRANVS ELKSVSSRKM AKQLGISQSS IVKFAQKLGA QGFTELRMAL IGEYSASREK TNATALHLHS SITSDDSLEV IARKLNREKE LALEQTCALF DYARLQKIIE VISKAPFIQI TGLGGSALVG RDLSFKLMKI GYRVACEADT HVQATVSQAL KKGDVQIAIS YSGSKKEIVL CAEAARKQGA TVIAITSLAD SPLRRLAHFT LDTVSGETEW RSSSMSTRTA QNSVTDLLFV GLVQLNDVES LKMIQRSSEL TQRLK
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	31,293 Da
Sequence Positions	1-285, 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 A8A2S4
Species	Escherichia coli O9:H4 (strain HS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murR recombinant protein	MBS1252392 is a recombinant protein targeting murR. Also known as Recombinant Escherichia coli O9:H4 HTH-type transcriptional regulator murR (murR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murR 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 murR. It may not necessarily be applicable to this product.

NCBI GI #	446889197
NCBI Accession #	WP_000966453.1
UniProt Primary Accession #	A8A2S4
GenBank Nucleotide #	WP_000966453.1
NCBI Official Full Name	MULTISPECIES: MurR/RpiR family transcriptional regulator

UniProt Protein Name	HTH-type transcriptional regulator MurR
UniProt Synonym Protein Names	MurPQ operon repressor
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	murR
UniProt Comments for murR	Represses the expression of the murPQ operon involved in the uptake and degradation of N-acetylmuramic acid (MurNAc). Binds to two adjacent inverted repeats within the operator region. MurNAc 6-phosphate, the substrate of MurQ, is the specific inducer that weakens binding of MurR to the operator.
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