HTH-Type Transcriptional Regulator Murr (murR) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTH-type transcriptional regulator MurR (murR), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b HTH-type transcriptional regulator MurR (murR)
Product Gene Name	murR recombinant protein
Product Synonym Gene Name	murR
Sequence	MLYLTKIRNA ESEFTGNEQK IADFLRARVS ELKSVSSRQM AKQLGISQSS IVKFAQKLGA QGFTELRMAL IGEYSASREK TNATALHLHS SITSDDSLEV IARKLNREKE LALEQTCALF DYARLQKIIE VISKAPFIQI TGLGGSALVG RDLSFKLMKI GYRVACEADT HVQATVSQAL KKGDVQIAIS YSGSKKEIVL CAEAARKQGA TVIAITSLAD SPLRRLAHFT LDTVSGETEW RSSSMSTRTA QNSVTDLLFV GLVQHQ
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	29,129 Da
Sequence Positions	1-266, 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 Q0T281
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murR recombinant protein	MBS1310849 is a recombinant protein targeting murR. Also known as Recombinant Shigella flexneri serotype 5b 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 #	122957298
NCBI Accession #	Q0T281.1
UniProt Primary Accession #	Q0T281
NCBI Official Full Name	HTH-type transcriptional regulator MurR

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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