HTH-Type Transcriptional Repressor of Iron Proteins A (ripA) Corynebacterium Diphtheriae Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTH-type transcriptional repressor of iron proteins A (ripA), Recombinant Protein
Full Product Name	Recombinant Corynebacterium diphtheriae HTH-type transcriptional repressor of iron proteins A (ripA)
Product Gene Name	ripA recombinant protein
Product Synonym Gene Name	ripA
Sequence	MSLPSIKTTN SYCVVLWCDQ GSATINAPDR VVQVMAGDVV LAPHGAFVTG HGVVLPMAFP DFDGGEHTRR LHMGTAWSKR MIFEFSRSLL GETRPSECIA ALFDDRARPP RVPEPQAARK VAQKLIAYPA DQTPLLEFAQ LHNISSRTLQ RQFVASTGFT FSEWRAALRV SVAADLLAHD FRIGQVSQMV GFSATSSLTR AFKRHTGDTP SSFTSPRMHA VCEQQPPMIP ATTTFARASD DIALWIYSGT ATVTTPGYCR FMGAGETVTI PSGTSTRLDV SAGSVALPVP LAAAHDDLTL SDVLAASVNP LAAVELQRLS AQERADVEQV LVPSV
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	36,067 Da
Sequence Positions	1-335, 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 Q6NI56
Species	Corynebacterium diphtheriae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ripA recombinant protein	MBS1337657 is a recombinant protein targeting ripA. Also known as Recombinant Corynebacterium diphtheriae HTH-type transcriptional repressor of iron proteins A (ripA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ripA 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 ripA. It may not necessarily be applicable to this product.

NCBI GI #	499237132
NCBI Accession #	WP_010934672.1
UniProt Primary Accession #	Q6NI56
GenBank Nucleotide #	WP_010934672.1

NCBI Official Full Name	transcriptional regulator
UniProt Protein Name	HTH-type transcriptional regulator RipA
UniProt Synonym Protein Names	Repressor of iron proteins A
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	ripA
UniProt Synonym Gene Names	RIPA
UniProt Comments for ripA	Under iron limitation, represses the acn (aconitase), catA (catechol 1,2 dioxygenase), leuCD (isopropylmalate dehydratase), narKGHJI (nitrite/nitrate transporter and nitrate reductase), sdhCAB (succinate dehydrogenase), pta (phosphotransacetylase) and katA (catalase) genes.
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