Lexa Repressor (lexA) Salmonella Choleraesuis Recombinant Protein

PRODUCT OVERVIEW

Product Name	LexA repressor (lexA), Recombinant Protein
Full Product Name	Recombinant Salmonella choleraesuis LexA repressor (lexA)
Product Gene Name	lexA recombinant protein
Product Synonym Gene Name	lexA
Sequence	MKALTARQQE VFDLIRDHIS QTGMPPTRAE IAQRLGFRSP NAAEEHLKAL ARKGVLEIVS GASRGIRLLQ EEEDGLPLVG RVAAGEPLLA QQHIEGHYQV DPSLFKPSAD FLLRVSGMSM KDIGIMDGDL LAVHKTQDVR NGQVVVARID DEVTVKRLKK QGNKVELLPE NSEFTPIVVD LREQSFTIEG LAVGVIRNGE WL
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	22,305 Da
Sequence Positions	1-202, 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 Q57GZ0
Species	Salmonella choleraesuis (strain SC-B67)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lexA recombinant protein	MBS1421527 is a recombinant protein targeting lexA. Also known as Recombinant Salmonella choleraesuis LexA repressor (lexA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lexA 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 lexA. It may not necessarily be applicable to this product.

NCBI GI #	446568733
NCBI Accession #	WP_000646079.1
UniProt Primary Accession #	Q57GZ0
GenBank Nucleotide #	WP_000646079.1
NCBI Official Full Name	MULTISPECIES: LexA repressor
UniProt Protein Name	LexA repressor

Protein Family	LexA repressor
UniProt Gene Name	lexA
UniProt Comments for lexA	Represses a number of genes involved in the response to DNA damage (SOS response), including recA and lexA. Binds to the 16 bp palindromic sequence 5'-CTGTATATATATACAG-3'. In the presence of single-stranded DNA, RecA interacts with LexA causing an autocatalytic cleavage which disrupts the DNA-binding part of LexA, leading to derepression of the SOS regulon and eventually DNA repair.
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