Lexa Repressor (lexA) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	LexA repressor (lexA), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis LexA repressor (lexA)
Product Gene Name	lexA recombinant protein
Product Synonym Gene Name	lexA
Sequence	MRPLTPRQAE ILELIKRNIA ETGMPPTRAE IATRLGFKSA NAAEEHLKAL AKKGCIEIMP GTSRGIRLPV EEEDNSETGL PLIGQVAAGE PILAQEHVEQ YYQIDPSMFH PTANFLLRVK GDSMKNIGIL EGDLLAVHKV QQARNGQVVV ARVDDDVTVK RFEKKGNVVY LHAENEDYSP IKVDLSFQSL TIEGLAVGVI RNGDWL
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	22,747 Da
Sequence Positions	1-206, 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 Q8E8Q8
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lexA recombinant protein	MBS1321910 is a recombinant protein targeting lexA. Also known as Recombinant Shewanella oneidensis 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 #	24376076
NCBI GeneID	1172187
NCBI Accession #	NP_720119.1
UniProt Primary Accession #	Q8E8Q8
UniProt Related Accession #	Q8E8Q8
GenBank Nucleotide #	NC_004347.2

NCBI Official Full Name	bifunctional transcriptional repressor of SOS-response/self-cleaving protease LexA
NCBI Official Symbol	lexA
UniProt Protein Name	LexA repressor
Protein Family	LexA repressor
UniProt Gene Name	lexA
NCBI Protein Information	bifunctional transcriptional repressor of SOS-response/self-cleaving protease LexA
UniProt Comments for lexA	Represses a number of genes involved in the response to DNA damage (SOS response), including recA and lexA. 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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