Nucleoid Occlusion Factor Slma (slmA) Klebsiella Pneumoniae Subsp. Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoid occlusion factor SlmA (slmA), Recombinant Protein
Full Product Name	Recombinant Klebsiella pneumoniae subsp. pneumoniae Nucleoid occlusion factor SlmA (slmA)
Product Gene Name	slmA recombinant protein
Sequence	MAEKQTAKRN RREEILQSLA LMLESSDGSQ RITTAKLAAS VGVSEAALYR HFPSKTRMFD SLIEFIEDSL ITRINLILKD EKDTTARLRL IVLLILGFGE RNPGLTRILT GHALMFEQDR LQGRINQLFE RIEAQLRQVM REKKMREGEG YTLDETLLAS QLLAFCEGML SRFVRSEFKY RPTDDFDARW PLVAAQLQ
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	22,824 Da
Sequence Positions	1-198, 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 A6TFN2
Species	Klebsiella pneumoniae subsp. pneumoniae (strain 700721 / MGH 78578)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for slmA recombinant protein	MBS1230594 is a recombinant protein targeting slmA. Also known as Recombinant Klebsiella pneumoniae subsp. pneumoniae Nucleoid occlusion factor SlmA (slmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of slmA 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 slmA. It may not necessarily be applicable to this product.

NCBI GI #	489012063
NCBI Accession #	WP_002922598.1
UniProt Primary Accession #	A6TFN2
GenBank Nucleotide #	WP_002922598.1
NCBI Official Full Name	MULTISPECIES: nucleoid occlusion factor SlmA
UniProt Protein Name	Nucleoid occlusion factor SlmA

Protein Family	Nucleoid occlusion factor
UniProt Gene Name	slmA
UniProt Comments for slmA	Required for nucleoid occlusion (NO) phenomenon, which prevents Z-ring formation and cell division over the nucleoid. Acts as a DNA-associated cell division inhibitor that binds simultaneously chromosomal DNA and FtsZ, and disrupts the assembly of FtsZ polymers. SlmA-DNA-binding sequences (SBS) are dispersed on non-Ter regions of the chromosome, preventing FtsZ polymerization at these regions.
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