HTH-Type Transcriptional Regulator Yofa (yofA) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTH-type transcriptional regulator YofA (yofA), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis HTH-type transcriptional regulator YofA (yofA)
Product Gene Name	yofA recombinant protein
Sequence	MESGDLKIFQ AVAREGSITK AAQMLNYVQS NVTARVHNLE EDLNIRLFHR TNRGMKLTAA GENLLQYADQ VLSLLDQAEK STRMSRQPKG PLRIGSLETM AVTHLPEHAA SFLRRFPEVD LSVNTADTHH LIQQVLDHKV DGAFVYGPVE HAAVRQLHVS HDELVLISSR EGTAEDMLQQ PMLFFGAGCS HRDRVKRLLE EAGIHNQKII EFGTLEAIIK GVSAGMGTAL LPKSAVDGSE HRTNVWIHQL PPSYQDLEIV FIYRKDFFIT SAFQTFLDEI NEMKR
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	32,051 Da
Sequence Positions	1-285, 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 O34685
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for yofA recombinant protein	MBS1261413 is a recombinant protein targeting yofA. Also known as Recombinant Bacillus subtilis HTH-type transcriptional regulator YofA (yofA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of yofA 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 yofA. It may not necessarily be applicable to this product.

NCBI GI #	16078903
NCBI GeneID	940018
NCBI Accession #	NP_389724.1
UniProt Primary Accession #	O34685
UniProt Related Accession #	O34685
GenBank Nucleotide #	NC_000964.3

NCBI Official Full Name	LysR family transcriptional regulator
NCBI Official Symbol	ftsR
UniProt Protein Name	HTH-type transcriptional regulator YofA
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	yofA
NCBI Protein Information	LysR family transcriptional regulator
UniProt Comments for yofA	Regulates expression of the cell division protein ftsW, and is essential for cell viability during stationary phase.
Research Articles on yofA	**1.** These results suggest that YofA is required for the final round of cell division before entry into stationary phase and that YofA positively regulates ftsW expression.
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