N Utilization Substance Protein B Homolog (nusB) Clostridium Botulinum Recombinant Protein

PRODUCT OVERVIEW

Product Name	N utilization substance protein B homolog (nusB), Recombinant Protein
Full Product Name	Recombinant Clostridium botulinum N utilization substance protein B homolog (nusB)
Product Gene Name	nusB recombinant protein
Sequence	MNRRKSREVA MRLLFQTTLN GENLEEALEN LKDVRESEEI TKEKDYESVD LKDVDIDYVK RIIKGIEENK EEIDEKIKGN LKNWKIERLS KVDLSILRLC TYELKFEEDI PNRVSVNEAI ELAKKYSGEK SATFINGVLG KMI
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	16,711 Da
Sequence Positions	1-143, 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 A7FUU1
Species	Clostridium botulinum (strain 19397 / Type A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nusB recombinant protein	MBS1007884 is a recombinant protein targeting nusB. Also known as Recombinant Clostridium botulinum N utilization substance protein B homolog (nusB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nusB 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 nusB. It may not necessarily be applicable to this product.

NCBI GI #	489453520
NCBI Accession #	WP_003358828.1
UniProt Primary Accession #	A7FUU1
GenBank Nucleotide #	WP_003358828.1
NCBI Official Full Name	MULTISPECIES: N utilization substance protein B
UniProt Protein Name	Transcription antitermination protein NusB
UniProt Synonym Protein Names	Antitermination factor NusB

Protein Family	N utilization substance protein
UniProt Gene Name	nusB
UniProt Comments for nusB	Involved in transcription antitermination. Required for transcription of ribosomal RNA (rRNA) genes. Binds specifically to the boxA antiterminator sequence of the ribosomal RNA (rrn) operons.
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