Thermonuclease (nuc) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thermonuclease (nuc), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Thermonuclease (nuc)
Product Gene Name	nuc recombinant protein
Product Synonym Gene Name	nuc
Sequence	SQTDNGVNRS GSEHPTVYSA TSTKKLHKEP ATLIKAIDGD TVKLMYKGQP MTFRLLLVDT PETKHPKKGV EKYGPEASAF TKKMVENAKK IEVEFDKGQR TDKYGRGLAY IYADGKMVNE ALVRQGLAKV AYVYKPNNTH EQLLRKSEAQ AKKEKLNIWS EDNADSGQ
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	25,126 Da
Sequence Positions	61-228, 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 Q8NXI6
Species	Staphylococcus aureus (strain MW2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nuc recombinant protein	MBS1439051 is a recombinant protein targeting nuc. Also known as Recombinant Staphylococcus aureus Thermonuclease (nuc). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nuc 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 nuc. It may not necessarily be applicable to this product.

NCBI GI #	487709342
NCBI Accession #	WP_001793574.1
UniProt Primary Accession #	Q8NXI6
GenBank Nucleotide #	WP_001793574.1
NCBI Official Full Name	MULTISPECIES: thermonuclease
UniProt Protein Name	Thermonuclease

UniProt Synonym Protein Names	Micrococcal nuclease; Staphylococcal nuclease
Protein Family	Micrococcal nuclease
UniProt Gene Name	nuc
UniProt Synonym Gene Names	TNase
UniProt Comments for nuc	Enzyme that catalyzes the hydrolysis of both DNA and RNA at the 5' position of the phosphodiester bond.
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