Endonuclease Nucs (nucS) Pyrobaculum Aerophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Endonuclease NucS (nucS), Recombinant Protein
Full Product Name	Recombinant Pyrobaculum aerophilum Endonuclease NucS (nucS)
Product Gene Name	nucS recombinant protein
Product Synonym Gene Name	nucS
Sequence	MQQAVGMYVE APTPDEAARL INSGRKLGIV IAVGVCEVFY TGRAAASLGP TRRLVILKRD GTLLVHEAEK AQPKIWNPPG SSTAAYVEGG KLVVKSIRSR PFETVRVIFD KVDFIAAFDV GATELTLVGS ERDVVGALVK NPSIIEEGLE VVGVEVPTDV GHLDILARDK NGRYVIIEVK RDLATHEAVF QLARYVELYR RKGYDVRGIL VAGDITASAY DYLKRYGLNF VKINPRELMV LTNKNPLNAK
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	27,450 Da
Sequence Positions	1-250, 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 Q8ZWG7
Species	Pyrobaculum aerophilum (strain 51768 / IM2 / DSM 7523 / JCM 9630 / NBRC 100827)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nucS recombinant protein	MBS1434898 is a recombinant protein targeting nucS. Also known as Recombinant Pyrobaculum aerophilum Endonuclease NucS (nucS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nucS 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 nucS. It may not necessarily be applicable to this product.

NCBI GI #	38258825
NCBI Accession #	Q8ZWG7.1
UniProt Primary Accession #	Q8ZWG7
NCBI Official Full Name	Endonuclease NucS
UniProt Protein Name	Endonuclease NucS

Protein Family	Endonuclease
UniProt Gene Name	nucS
UniProt Comments for nucS	Cleaves both 3' and 5' ssDNA extremities of branched DNA structures.
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