Nuclease Sbccd Subunit D (sbcD) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nuclease sbcCD subunit D (sbcD), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Nuclease sbcCD subunit D (sbcD)
Product Gene Name	sbcD recombinant protein
Sequence	MKIIHTADWH LGKILNGKQL LEDQAYILDM FVEKMKEEEP DIIVIAGDLY DTTYPSKDAI MLLEQAIGKL NLELRIPIIM ISGNHDGKER LNYGASWFEH NQLFIRTDFT SINSPIEING VNFYTLPYAT VSEMKHYFED DTIETHQQGI TRCIETIAPE IDEDAVNILI SHLTVQGGKT SDSERPLTIG TVESVQKGVF DIFDYVMLGH LHHPFSIEDD KIKYSGSLLQ YSFSEAGQAK GYRRLTINDG IINDVFIPLK PLRQLEIISG EYNDVINEKV HVKNKDNYLH FKLKNMSHIT DPMMSLKQIY PNTLALTNET FNYNEENNAI EISEKDDMSI IEMFYKHITD KELSDIQSKK IKNILENELR KED
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	42,968 Da
Sequence Positions	1-373, 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 A6U1G6
Species	Staphylococcus aureus (strain JH1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sbcD recombinant protein	MBS1227388 is a recombinant protein targeting sbcD. Also known as Recombinant Staphylococcus aureus Nuclease sbcCD subunit D (sbcD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sbcD 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 sbcD. It may not necessarily be applicable to this product.

NCBI GI #	446613955
NCBI Accession #	WP_000691301.1
UniProt Primary Accession #	A6U1G6
GenBank Nucleotide #	WP_000691301.1
NCBI Official Full Name	MULTISPECIES: exonuclease sbcCD subunit D

UniProt Protein Name	Nuclease SbcCD subunit D
Protein Family	Nuclease
UniProt Gene Name	sbcD
UniProt Comments for sbcD	SbcCD cleaves DNA hairpin structures. These structures can inhibit DNA replication and are intermediates in certain DNA recombination reactions. The complex acts as a 3'->5' double strand exonuclease that can open hairpins. It also has a 5' single-strand endonuclease activity ().
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