Exodeoxyribonuclease 7 Large Subunit (xseA) Geobacillus Kaustophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Exodeoxyribonuclease 7 large subunit (xseA), Recombinant Protein
Full Product Name	Recombinant Geobacillus kaustophilus Exodeoxyribonuclease 7 large subunit (xseA)
Product Gene Name	xseA recombinant protein
Product Synonym Gene Name	xseA
Sequence	MEVKYVTVGA LTKYIKRKFD VDPHLRDLWV KGEISNFKQH SRGHMYFTLK DSQGRIAAVM FAGYNQHLPF RPEDGMNVLA RGEISVYEPN GNYQLYVKEM QPEGVGSLYL AYEQLKQRLE AEGLFSPVHK KPLPAFPRCI GVVTSPTGAA VRDIMTTIRR RYPLAKVILF PALVQGDGAA PSIVRAIERA NSFGGVDVLI VGRGGGSIEE LWAFNEEIVA RAIFASKIPI ISAVGHETDF TIADFVADLR APTPTAAAEM AAPHVGELAE RLAERKWRLI RAMKEQLAAD KEQLRRLQGS YAFRYPKRLY EQKEQQLDAL LERLSRQRER LVDKHRQRLH ELDMRLWRHH PAAELERMKE RQKAAANALE KAMRTAVERH RFRFRSNLAR LEALSPLRIM ERGYSLVYNE QGELVKRTNQ LRIGEHLSIQ VQDGRVDCQV TGVEEKHV
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	51,182 Da
Sequence Positions	1-448, Full length
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 Q75TC0
Species	Geobacillus kaustophilus (strain HTA426)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xseA recombinant protein	MBS1353443 is a recombinant protein targeting xseA. Also known as Recombinant Geobacillus kaustophilus Exodeoxyribonuclease 7 large subunit (xseA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xseA 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 xseA. It may not necessarily be applicable to this product.

NCBI GI #	499551094
NCBI Accession #	WP_011231877.1
UniProt Primary Accession #	Q75TC0

UniProt Secondary Accession #	Q5KXA6
GenBank Nucleotide #	WP_011231877.1
NCBI Official Full Name	MULTISPECIES: exodeoxyribonuclease 7 large subunit
UniProt Protein Name	Exodeoxyribonuclease 7 large subunit
UniProt Synonym Protein Names	Exodeoxyribonuclease VII large subunit
Protein Family	Exodeoxyribonuclease
UniProt Gene Name	xseA
UniProt Synonym Gene Names	Exonuclease VII large subunit
UniProt Comments for xseA	Bidirectionally degrades single-stranded DNA into large acid-insoluble oligonucleotides, which are then degraded further into small acid-soluble oligonucleotides.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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