Probable Intron-Encoded DNA Endonuclease Ai3 (aI3) Ustilago Maydis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable intron-encoded DNA endonuclease aI3 (aI3), Recombinant Protein
Full Product Name	Recombinant Ustilago maydis Probable intron-encoded DNA endonuclease aI3 (aI3)
Product Gene Name	aI3 recombinant protein
Product Synonym Gene Name	aI3
Sequence	MVLEQYFLLL PEFNLNTIRV SNNPSGSAAK PLFMYNRDGS ICYYKSTKQV DFVRTFGIHK VTFMKHLEQG TYYLNKYLFS MEELPNAEQS DMTVEQVATM LDIDRVTNNK NKTLVSFSVA VTLINIETKE EHKFPSLGTA VKFLKNGSYP ADQRTLVKRI NTNIPYHGFT CHKY
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	20,083 Da
Sequence Positions	1-174, 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 Q0H8X9
Species	Ustilago maydis (strain 521 / FGSC 9021) (Smut fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aI3 recombinant protein	MBS1387574 is a recombinant protein targeting aI3. Also known as Recombinant Ustilago maydis Probable intron-encoded DNA endonuclease aI3 (aI3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aI3 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 aI3. It may not necessarily be applicable to this product.

NCBI GI #	115304407
NCBI GeneID	4308276
NCBI Accession #	YP_762693.1
UniProt Primary Accession #	Q0H8X9
GenBank Nucleotide #	NC_008368.1

NCBI Official Full Name	GIY endonuclease (mitochondrion)
NCBI Official Symbol	cox1
UniProt Protein Name	Probable intron-encoded DNA endonuclease aI3
Protein Family	Intron-encoded DNA endonuclease
UniProt Gene Name	aI3
NCBI Protein Information	cytochrome c oxidase subunit 1; LAGLIDADG endonuclease; GIY endonuclease
UniProt Comments for aI3	Mitochondrial DNA endonuclease involved in intron homing.
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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