Endoglucanase A (celCCA) Clostridium Cellulolyticum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Endoglucanase A (celCCA), Recombinant Protein
Full Product Name	Recombinant Clostridium cellulolyticum Endoglucanase A (celCCA)
Product Gene Name	celCCA recombinant protein
Sequence	YDASLIPNLQ IPQKNIPNND GMNFVKGLRL GWNLGNTFDA FNGTNITNEL DYETSWSGIK TTKQMIDAIK QKGFNTVRIP VSWHPHVSGS DYKISDVWMN RVQEVVNYCI DNKMYVILNT HHDVDKVKGY FPSSQYMASS KKYITSVWAQ IAARFANYDE HLIFEGMNEP RLVGHANEWW PELTNSDVVD SINCINQLNQ DFVNTVRATG GKNASRYLMC PGYVASPDGA TNDYFRMPND ISGNNNKIIV SVHAYCPWNF AGLAMADGGT NAWNINDSKD QSEVTWFMDN IYNKYTSRGI PVIIGECGAV DKNNLKTRVE YMSYYVAQAK ARGILCILWD NNNFSGTGEL FGFFDRRSCQ FKFPEIIDGM VKYAFEAKTD PDPVIVYGDY NNDGNVDALD FAGLKKYIMA ADHAYVKNLD VNLDNEVNAF DLAILKKYLL GMVSKLPSN
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	53,625 Da
Sequence Positions	27-475, 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 P17901
Species	Clostridium cellulolyticum (strain 35319 / DSM 5812 / JCM 6584 / H10)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for celCCA recombinant protein	MBS1232771 is a recombinant protein targeting celCCA. Also known as Recombinant Clostridium cellulolyticum Endoglucanase A (celCCA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of celCCA 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 celCCA. It may not necessarily be applicable to this product.

NCBI GI #	506404895
NCBI Accession #	WP_015924614.1
UniProt Primary Accession #	P17901
UniProt Secondary Accession #	B8HZV8
GenBank Nucleotide #	WP_015924614.1

NCBI Official Full Name	endoglucanase
UniProt Protein Name	Endoglucanase A
UniProt Synonym Protein Names	Cellulase A; EGCCA; Endo-1,4-beta-glucanase A
UniProt Gene Name	celCCA
UniProt Comments for celCCA	The biological conversion of cellulose to glucose generally requires three types of hydrolytic enzymes: (1) Endoglucanases which cut internal beta-1,4-glucosidic bonds; (2) Exocellobiohydrolases that cut the disaccharide cellobiose from the non-reducing end of the cellulose polymer chain; (3) Beta-1,4-glucosidases which hydrolyze the cellobiose and other short cello-oligosaccharides to glucose.
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