Endoglucanase-6b (cel6B) Humicola Insolens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Endoglucanase-6B (cel6B), Recombinant Protein
Full Product Name	Recombinant Humicola insolens Endoglucanase-6B (cel6B)
Product Gene Name	cel6B recombinant protein
Product Synonym Gene Name	cel6B
Sequence	QSGNPFSGRT LLVNSDYSSK LDQTRQAFLS RGDQTNAAKV KYVQEKVGTF YWISNIFLLR DIDVAIQNAR AAKARGENPI VGLVLYNLPD RDCSAGESSG ELKLSQNGLN RYKNEYVNPF AQKLKAASDV QFAVILEPDA IGNMVTGTSA FCRNARGPQQ EAIGYAISQL QASHIHLYLD VANGGWLGWA DKLEPTAQEV ATILQKAGNN AKIRGFSSNV SNYNPYSTSN PPPYTSGSPS PDESRYATNI ANAMRQRGLP TQFIIDQSRV ALSGARSEWG QWCNVNPAGF GQPFTTNTNN PNVDAIVWVK PGGESDGQCG MGGAPAAGMW FDAYAQMLTQ NAHDEIAR
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	37,753 Da
Sequence Positions	1-348, 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 Q7SIG5
Species	Humicola insolens (Soft-rot fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cel6B recombinant protein	MBS1326368 is a recombinant protein targeting cel6B. Also known as Recombinant Humicola insolens Endoglucanase-6B (cel6B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cel6B 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 cel6B. It may not necessarily be applicable to this product.

NCBI GI #	74619112
NCBI Accession #	Q7SIG5.1
UniProt Primary Accession #	Q7SIG5
NCBI Official Full Name	Endoglucanase-6B
UniProt Protein Name	Endoglucanase-6B

UniProt Synonym Protein Names	Cellulase 6B; Endo-1,4-beta-glucanase 6B
Protein Family	1,4-beta-D-glucan cellobiohydrolase
UniProt Gene Name	cel6B
UniProt Comments for cel6B	Plays a central role in the recycling of plant biomass. 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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