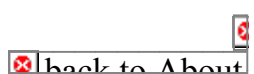




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1: J Mol Biol 1992 Aug 5;226(3):897-8

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Crystallization of recombinant chitinase from the cloned chiA gene of *Serratia marcescens*.

Vorgias CE, Kingswell AJ, Dauter Z, Oppenheim AB.

PubMed Services

European Molecular Biology Laboratory, DESY, Hamburg, Germany.

The chiA gene encoding for the chitinase enzyme from *Serratia marcescens* was efficiently overexpressed under the pL promoter and the enzyme was secreted into the growth medium. The chitinase was purified to homogeneity using affinity chromatography on a Phenyl-Sepharose column and the protein was successfully crystallized. The crystals are presently in the form of small needles in space group C222(1) and have unit cell dimensions $a = 204(+/- 0.5)$ Å, $b = 134(+/- 0.5)$ Å, $c = 60(+/- 0.5)$ Å. The crystals diffract X-rays to about 3 Å resolution and are suitable for three-dimensional structural analysis.

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