

Title (en)
CLONING AND EXPRESSION OF THE CHONDROITINASE I AND II GENES FROM \$(P. VULGARIS)

Title (de)
KLONIERUNG UND EXPRESSION DER CHONDROITINASE I- UND II-GENE AUS \$(P. VULGARIS)

Title (fr)
CLONAGE ET EXPRESSION DE GENES DE CHONDROITINASE I ET II A PARTIR DE \$(P. VULGARIS)

Publication
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Application
EP 94916561 A 19940422

Priority

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- US 5220693 A 19930423
- US 5361593 A 19930423

Abstract (en)
[origin: WO9425567A1] This invention relates to the DNA sequence encoding the major protein component of chondroitinase ABC, which is referred to as "chondroitinase I", from *Proteus vulgaris* (*P. vulgaris*), which is contained in the Nsi fragment shown in the figure. This invention further relates to the DNA sequence encoding a second protein component of chondroitinase ABC, which is referred to as "chondroitinase II", from *P. vulgaris*, to the cloning and expression of the genes containing these DNA sequences, to the amino acid sequences of the recombinant chondroitinase I and II, and to methods for the isolation and purification of recombinant chondroitinase I or II. These methods provide significantly higher yields and purity than those obtained by adapting for the recombinant enzymes the method previously used for isolating and purifying native chondroitinase I enzyme from *P. vulgaris*.

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CPC (source: EP)
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Citation (search report)

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- [PX] EP 0576294 A2 19931229 - SEIKAGAKU KOGYO CO LTD [JP]
- [E] EP 0613949 A2 19940907 - MARUHA CORP [JP]
- [XY] TAKEGAWA, K. ET AL.: "Effect of mucopolysaccharides on chondroitinase production and rapid isolation of chondroitinase", TECH. BULL. FAC. AGR. KAGAWA UNIV., vol. 45, no. 2, 1993, pages 111 - 114, XP002113501
- [PX] DATABASE WPI Derwent World Patents Index; AN 94-155922, XP002113502, "chondroitinase and its gene ..."
- See references of WO 9425567A1

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