

Title (en)  
DNA ENCODING PRECURSOR INTERLEUKIN 1-g(b) CONVERTING ENZYME.

Title (de)  
DNA, WELCHE FÜR DEN VORLÄUFER DES INTERLEUKIN 1-g(b) KONVERTIERENDEN ENZYM KODIERT.

Title (fr)  
ADN CODANT L'ENZYME DE CONVERSION DU PRECURSEUR DE L'INTERLEUKINE 1-g(b).

Publication  
**EP 0648128 A4 19950726 (EN)**

Application  
**EP 93916529 A 19930614**

Priority  
• US 9305687 W 19930614  
• US 90639292 A 19920624

Abstract (en)  
[origin: WO9400154A1] Complementary DNA (cDNA) encoding the precursor interleukin-1(beta) (pre-IL-1(beta)) converting enzyme (ICE) is isolated from a cDNA library. A cDNA, encoding the full-length open reading frame (ORF) for the nascent ICE, as well as individual cDNAs encoding the 20 kDa subunit and the 10 kDa subunit of ICE are identified and sequenced. ICE is useful in the conversion of pre-IL-1(beta) into mature IL-1(beta). The recombinantly produced ICE, including the individual 20 kDa and 10 kDa subunits is useful in the diagnosis of inflammatory diseases, in the production of recombinant IL-1(beta), and to identify inhibitors of ICE activity.  
[origin: WO9400154A1] Complementary DNA (cDNA) encoding the precursor interleukin-1 beta (pre-IL-1 beta ) converting enzyme (ICE) is isolated from a cDNA library. A cDNA, encoding the full-length open reading frame (ORF) for the nascent ICE, as well as individual cDNAs encoding the 20 kDa subunit and the 10 kDa subunit of ICE are identified and sequenced. ICE is useful in the conversion of pre-IL-1 beta into mature IL-1 beta . The recombinantly produced ICE, including the individual 20 kDa and 10 kDa subunits is useful in the diagnosis of inflammatory diseases, in the production of recombinant IL-1 beta , and to identify inhibitors of ICE activity.

IPC 1-7  
**A61K 39/395**; C07K 15/28; C12N 5/16; C12N 5/22; C12N 9/64; C12N 15/12

IPC 8 full level  
**G01N 33/577** (2006.01); **A61K 39/395** (2006.01); **C07H 21/04** (2006.01); **C12N 9/64** (2006.01); **C12N 15/09** (2006.01); **G01N 30/88** (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP)  
**C12N 9/6475** (2013.01); **A61K 48/00** (2013.01)

Citation (search report)  
• [PX] EP 0533350 A1 19930324 - MERCK & CO INC [US]  
• [X] N. THORNBERRY: "A novel heterodimeric cysteine protease is required for interleukin-1beta processing in monocytes", NATURE, vol. 356, 30 April 1992 (1992-04-30), LONDON GB, pages 768 - 774  
• [X] D CERRETTI ET AL: "Molecular cloning of the interleukin 1beta converting enzyme", SCIENCE, vol. 256, 3 April 1992 (1992-04-03), pages 97 - 100, XP002930919, DOI: doi:10.1126/science.1373520  
• See references of WO 9400154A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 9305687 W 19930614**; AU 4634993 A 19930614; CA 2136981 A 19930614; EP 93916529 A 19930614; JP 50241894 A 19930614