

Title (en)
HUMAN DNA LIGASE III

Title (de)
MENSCHLICHE DNA-LIGASE

Title (fr)
ADN-LIGASE III HUMAINE

Publication
EP 0796320 A4 19991124 (EN)

Application
EP 95902496 A 19941108

Priority
US 9412922 W 19941108

Abstract (en)
[origin: WO9614394A1] A human DNA Ligase III polypeptide and DNA (RNA) encoding such polypeptide and a procedure for producing such polypeptide by recombinant techniques is disclosed. Also disclosed are methods for utilizing such polypeptide via gene therapy for the treatment of disorders associated with a defect in DNA Ligase III. Antagonists against such polypeptides and their use as a therapeutic to destroy unwanted cells are also disclosed. Diagnostic assays to detect mutant DNA Ligase III genes are also disclosed.

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C12N 1/21; **C12N 5/10**; **C12N 9/00**; **C12N 15/52**; **C12N 15/63**

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Citation (search report)
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• [T] WEI Y. F. ET AL.: "Molecular cloning and expression of human cDNAs encoding a novel DNA ligase IV and DNA ligase III, an enzyme active in DNA repair and recombination.", MOLECULAR AND CELLULAR BIOLOGY, vol. 15, no. 6, June 1995 (1995-06-01), pages 3206 - 3216, XP002065032
• See references of WO 9614394A1

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