

Title (en)  
NOVEL DNA POLYMERASE III HOLOENZYME DELTA SUBUNIT NUCLEIC ACID MOLECULES AND PROTEINS

Title (de)  
NEUE NUKLEINSÄUREMOLEKÜLE UND PROTEINE DER DNA-POLYMERASE III HOLOENZYM DELTA UNTEREINHEIT

Title (fr)  
NOUVELLES PROTEINES ET MOLECULES D'ACIDES NUCLEIQUES DE SOUS-UNITES D'ADN POLYMERASE III/HOLOENZYME DELTA

Publication  
**EP 1301631 A4 20050413 (EN)**

Application  
**EP 01957164 A 20010716**

Priority

- US 0122395 W 20010716
- US 21824600 P 20000714
- US 81878001 A 20010328

Abstract (en)  
[origin: WO0206532A1] Gene and amino acid sequences encoding DNA polymerase III holoenzyme delta subunits and structural genes from bacteria are provided. Also provided are antibodies and other reagents useful to identify DNA polymerase III delta subunit molecules. Also provided are methods to identify DNA polymerase III delta subunit molecules. The use of DNA polymerase III delta subunit molecules in assays to identify candidate antibiotics are also provided.  
[origin: WO0206532A1] Gene and amino acid sequences encoding DNA polymerase III holoenzyme delta subunits and structural genes from bacteria are provided. Also provided are antibodies and other reagents useful to identify DNA polymerase III delta subunit molecules. Also provided are methods to identify DNA polymerase III delta subunit molecules. The use of DNA polymerase III delta subunit molecules in assays to identify candidate antibiotics are also provided.

IPC 1-7  
**C12Q 1/68**; **C12Q 1/48**

IPC 8 full level  
**G01N 33/50** (2006.01); **C07K 16/40** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 9/10** (2006.01); **C12N 9/12** (2006.01); **C12N 15/02** (2006.01); **C12N 15/09** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/48** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)  
**C12N 9/1252** (2013.01); **C12Q 1/48** (2013.01)

Citation (search report)

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- [PA] WO 0109164 A2 20010208 - UNIV ROCKEFELLER [US], et al
- [E] WO 0173052 A2 20011004 - MCHENRY CHARLES S [US]
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- [AD] NEUWALD A F ET AL: "AAA+: A class of chaperone-like ATPases associated with the assembly, operation, and disassembly of protein complexes.", GENOME RESEARCH. JAN 1999, vol. 9, no. 1, January 1999 (1999-01-01), pages 27 - 43, XP002305819, ISSN: 1088-9051
- See references of WO 0206532A1

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**US 0122395 W 20010716**; AU 2001278935 A 20010716; AU 7893501 A 20010716; CA 2416179 A 20010716; EP 01957164 A 20010716; EP 06024949 A 20010716; JP 2002512422 A 20010716