

Title (en)
RICIN VACCINE AND METHODS OF MAKING AND USING THEREOF

Title (de)
RICIN-IMPFSTOFF UND VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG DAVON

Title (fr)
VACCIN A BASE DE RICIN ET SES PROCEDES DE FABRICATION ET D'UTILISATION

Publication
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Application
EP 02721157 A 20020227

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US 0205732 W 20020227

Abstract (en)
[origin: WO03072018A2] Disclosed herein are polypeptides and variants thereof comprising a polypeptide sequence having substantial identity to ricin A chain (RTA0 that lack detectable N-glycosidase-rRNA activity or exhibit reduced N-glycosidase-rRNA activity as compared to controls and methods of making and using thereof. The polypeptides and variants have a greater solubility in aqueous solutions of physiological pH and ionic strength than RTA and also retain the integrity of the neutralizing immunological epitope of wild type RTA. Also disclosed are immunogenic compositions that may be used to immunize a subject against ricin intoxication. Methods of immunizing against, treating, and preventing ricin intoxication are disclosed.

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C12Q 1/00; **C12N 9/00**; **C12N 9/24**; **C12N 9/26**; **C12N 9/38**; **C07H 21/04**; **A61K 38/43**

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CPC (source: EP)
C07K 14/415 (2013.01)

Citation (search report)
• [X] US 5626844 A 19970506 - LEMLEY PAUL V [US], et al
• [A] WO 8809344 A1 19881201 - CREATIVE BIOMOLECULES INC [US]
• [XA] HEWETSON J F ET AL: "PROTECTION OF MICE FROM INHALED RICIN BY VACCINATION WITH RICIN OR BY PASSIVE TREATMENT WITH HETEROLOGOUS ANTIBODY", VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 11, no. 7, May 1993 (1993-05-01), pages 743 - 746, XP000943703, ISSN: 0264-410X
• [X] LEMLEY P V ET AL: "IDENTIFICATION AND CHARACTERIZATION OF A MONOCLONAL ANTIBODY THAT NEUTRALIZES RICIN TOXICITY IN VITRO AND IN VIVO", HYBRIDOMA, LIEBERT, NEW YORK, NY, US, vol. 13, no. 5, October 1994 (1994-10-01), pages 417 - 421, XP000943688, ISSN: 0272-457X
• See references of WO 03072018A2

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