

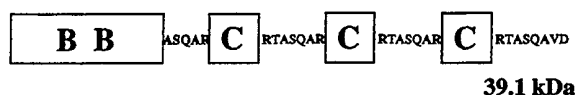


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

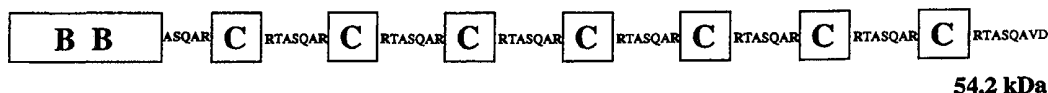
(51) International Patent Classification ⁶ : C07K 14/62, C12N 15/17, 15/66, 15/67	A3	(11) International Publication Number: WO 99/07735 (43) International Publication Date: 18 February 1999 (18.02.99)
(21) International Application Number: PCT/GB98/02382 (22) International Filing Date: 7 August 1998 (07.08.98) (30) Priority Data: 9716790.2 7 August 1997 (07.08.97) GB (71) Applicant (for all designated States except US): CREATIVE PEPTIDES SWEDEN AB [SE/SE]; Dahlbergsstigen 6, S-182 64 Djursholm (SE). (71) Applicant (for GB only): DZIEGLEWSKA, Hanna, Eva [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): STÅHL, Stefan [SE/SE]; Royal Institute of Technology, Dept. of Biochemistry, S-100 44 Stockholm (SE). UHLÉN, Mathias [SE/SE]; Royal Institute of Technology, Dept. of Biochemistry, S-100 44 Stockholm (SE). NYGREN, Per-Åke [SE/SE]; Royal Institute of Technology, Dept. of Biochemistry, S-100 44 Stockholm (SE). JONASSON, Per [SE/SE]; Royal Institute of Technology, Depat. of Biochemistry, S-100 44 Stockholm (SE).		(74) Agents: DZIEGLEWSKA, Hanna, Eva et al.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 29 April 1999 (29.04.99)

(54) Title: RECOMBINANT EXPRESSION OF INSULIN C-PEPTIDE

A



B



C

C-peptide = EAEDLQVGQVELGGGPGAGSLQPLALEGSLQ

(57) Abstract

The present invention provides a method of producing an insulin C-peptide, which comprises expressing in a host cell a multimeric polypeptide comprising multiple copies of a said insulin C-peptide, and cleaving said expressed polypeptide to release single copies of the insulin C-peptide. Also provided are nucleic acid molecules, expression vectors and host cells, for use in such a method and the multimeric insulin C-peptide polypeptide expressed and cleaved in such a method.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 98/02382

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C07K14/62 C12N15/17 C12N15/66 C12N15/67

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 98/02382

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International Application No

PCT/GB 98/02382

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