

Title (en)

THE MANUFACTURE AND EXPRESSION OF GENES FOR CALCITONIN AND POLYPEPTIDE ANALOGS THEREOF.

Title (de)

HERSTELLUNG UND EXPRESSION VON GENEN FÜR CALCITONIN UND DESSEN POLYPEPTIDANALOGEN.

Title (fr)

FABRICATION ET EXPRESSION DE GENES POUR LA CALCITONINE ET SES ANALOGUES DE POLYPEPTIDE.

Publication

EP 0107710 A4 19850228 (EN)

Application

EP 83901772 A 19830415

Priority

US 37549982 A 19820506

Abstract (en)

[origin: WO8304028A1] DNA sequences comprising structural genes coding for (1) a polypeptide having the amino acid sequence and properties of human calcitonin and for (2) polypeptide analogs thereof which differ in terms of the identity and/or location of one or more amino acids, e.g., [Val<8>] and [Asn<15>] analogs of human calcitonin. Structural gene sequences may be provided with initial and terminal sequences which facilitate production of discrete protein products by selected host microorganisms as well as for expression by host organisms of fusion proteins, e.g., beta - lactamase-calcitonin and beta -galactosidase-calcitonin from which the desired products may be isolated. DNA sequences may also be provided with codons specifying additional initial and/or terminal amino acid sequences in polypeptides expressed, which additional amino acids facilitate isolation of active proteins.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [E] WO 8400380 A1 19840202 - CELLTECH LTD [GB]
- [E] EP 0095351 A2 19831130 - SUNTORY LTD [JP]
- [X] INT. CONGR. SER. EXCAPTA MED., vol. 540, 1981, pages 25-34; J.W. JACOBS et al.: "Calcitonin precursors"

Designated contracting state (EPC)

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