

Title (en)
RECOMBINANT HUMAN THYROID PEROXIDASE

Publication
EP 0483281 A4 19920812 (EN)

Application
EP 90912413 A 19900731

Priority
• US 38804489 A 19890731
• US 47207090 A 19900130

Abstract (en)
[origin: WO9102061A1] Recombinant human thyroid peroxidase (hTPO) is described. DNA sequences encoding a truncated, secretable and enzymatically active hTPO protein are disclosed, as well as vectors, including plasmids, comprising these sequences, and hosts transformed with the said vectors. Non-thyroidal eukaryotic expression has been achieved. hTPO according to the invention, and antibodies directed against hTPO, are disclosed and are useful in the detection, diagnosis and therapy of immune disease, including Hashimoto's thyroiditis.

IPC 1-7
C12N 15/01; **C12N 9/08**; **C12N 5/00**; **G01N 33/53**; **C07H 15/12**; **C07K 15/00**; **C12N 15/53**

IPC 8 full level
C07K 16/00 (2006.01); **A61K 35/14** (2006.01); **A61K 39/00** (2006.01); **C07K 14/00** (2006.01); **C07K 16/40** (2006.01); **C12N 5/10** (2006.01); **C12N 9/08** (2006.01); **C12N 15/02** (2006.01); **C12N 15/09** (2006.01); **C12P 21/08** (2006.01); **G01N 33/53** (2006.01); **G01N 33/573** (2006.01); **A61K 38/00** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)
A61K 39/0008 (2013.01); **C07K 16/40** (2013.01); **C12N 9/0065** (2013.01); **C12Q 1/28** (2013.01); **A61K 38/00** (2013.01); **G01N 2800/24** (2013.01)

Citation (search report)
• [E] EP 0421139 A2 19910410 - NIPPON SUISAN KAISHA LTD [JP], et al
• [A] FEBS LETTERS. vol. 250, no. 2, 3 July 1989, AMSTERDAM NL pages 377 - 380; SHIOKO KIMURA ET AL.: 'cDNA-directed expression of human thyroid peroxidase'
• [XP] THE JOURNAL OF CLINICAL INVESTIGATION vol. 84, no. 2, August 1989, pages 394 - 403; KEITH D. KAUFMAN ET AL.: 'Generation of Recombinant, Enzymatically Active Human Thyroid Peroxidase and its Recognition by Antibodies in the Sera of Patients with Hashimoto's Thyroiditis'
• [XP] THE JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM vol. 70, no. 3, March 1990, pages 724 - 728; KEITH D. KAUFMAN ET AL.: 'Recombinant Human Thyroid Peroxidase Generated in Eukaryotic Cells: A Source of Specific Antigen for the Immunological Assay of Antimicrosomal Antibodies in the Sera of Patients with Autoimmune Thyroid Disease'

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9102061 A1 19910221; AU 6161390 A 19910311; EP 0483281 A1 19920506; EP 0483281 A4 19920812; JP H05501951 A 19930415

DOCDB simple family (application)
US 9004289 W 19900731; AU 6161390 A 19900731; EP 90912413 A 19900731; JP 51154290 A 19900731