(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 May 2003 (15.05.2003)

PCT

(10) International Publication Number
WO 03/040345 A2

(51) International Patent Classification[7]: C12N

(21) International Application Number: PCT/US02/36316

(22) International Filing Date:
12 November 2002 (12.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/332,366 9 November 2001 (09.11.2001) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/332,366 (CIP)
Filed on 9 November 2001 (09.11.2001)

(71) Applicant *(for all designated States except US)*: **WYETH** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **LIU, Wei** [CN/US]; 266 Grove Street, #6, Auburndale, MA 02466 (US). **FOUSER, Lynette** [US/US]; 57 Hampton Street, Acton, MA 01720 (US). **SPAULDING, Vikki** [US/US]; P.O. Box 1243, East Hampstead, NH 03826 (US).

(74) Agent: **ELRIFI, IVOR, R.**; Mintz, Levin, Cohn, Ferris,, Glovsky and Popeo, PC, One Financial Center, Boston, MA 02111 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/040345 A2

(54) Title: TYPE 2 CYTOKINE RECEPTOR AND NUCLEIC ACIDS ENCODING SAME

(57) Abstract: The present invention provides novel isolated CRF2-13 polynucleotides and polypeptides encoded by the CRF2-13 polynucleotides. Also provided are the antibodies that immunospecifically bind to a CRF2-13 polypeptide or any derivative (including fusion derivative), variant, mutant or fragment of the CRF2-13 polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the CRF2-13 polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states, as well as to other uses.