

RTMP's
copy!

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 45/05, 39/12, 39/02, 39/00, A01N 1/02, C12N 5/00	A1	(11) International Publication Number: WO 97/12633 (43) International Publication Date: 10 April 1997 (10.04.97)
(21) International Application Number: PCT/US96/15990 (22) International Filing Date: 3 October 1996 (03.10.96) (30) Priority Data: 08/539,142 4 October 1995 (04.10.95) US (71) Applicant: IMMUNEX CORPORATION [US/US]; 51 University Street, Seattle, WA 98101 (US) (72) Inventors: BRASEL, Kenneth; 7343 Jones N.W., Seattle, WA 98117 (US); LYMAN, Stewart, D.; 312 North 45th Street, Seattle, WA 98103 (US); MARASKOVSKY, Eugene; 4123 Evanston Avenue North, Seattle, WA 98103 (US); McKENNA, Hilary, R.; Apartment 32; 3809 Whitman Avenue North, Seattle, WA 98103 (US); LYNCH, David, H.; 14180 N. Madison Avenue N.E., Bainbridge Island, WA 98110 (US) (74) Agent: MALASKA, Stephen, L.; Immunex Corporation, 51 University Street, Seattle, WA 98101 (US)	(81) Designated States: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LS, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, <u>SG</u>, SI, SK, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>	
(54) Title: DENDRITIC CELL STIMULATORY FACTOR (57) Abstract Flt3-ligand can be used to generate large numbers of dendritic cells from hematopoietic progenitor and stem cells. Flt3-ligand can be used to augment immune responses in vivo, and expand dendritic cells ex vivo. Such dendritic cells can then be used to present tumor, viral or other antigens to naive T cells, can be useful as vaccine adjuvants.		