

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/003167 A1

- (51) International Patent Classification⁷: **C07K 14/715**, 14/47, A61K 38/53, 38/17
- (21) International Application Number: PCT/EP2004/051327
- (22) International Filing Date: 1 July 2004 (01.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/484,232 1 July 2003 (01.07.2003) US
03101956.5 1 July 2003 (01.07.2003) EP
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
 - with sequence listing part of description published separately in electronic form and available upon request from the International Bureau
- 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.

(54) Title: UBIQUITINATED TNF RECEPTOR 2 AND ITS USES

(57) Abstract: The present invention relates to ubiquitinated TNF receptor 2, and the uses thereof. More specifically, the invention relates to the use of TNF receptor 2 ubiquitination to deplete TNF receptor 2 from the cell membrane and cytoplasm, and relocalize it in the insoluble cell fraction. Such relocalization can be used to modulate the signaling activity of the TNF receptor 2, and to treat TNF receptor 2 related diseases. The invention relates further to the use of Smurf 2 to ubiquitinate TNF receptor 2, and to the use of TRAF2 to mediate TNF receptor 2 ubiquitination.

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