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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 July 2009 (23.07.2009)

PCT

(10) International Publication Number
WO 2009/091341 A1

(51) International Patent Classification:
A61K 38/17 (2006.01) *A61P 25/06* (2006.01)
A61P 9/12 (2006.01) *A61P 3/14* (2006.01)
C07K 14/47 (2006.01) *A61P 25/28* (2006.01)
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/SG2009/000024

(22) International Filing Date: 14 January 2009 (14.01.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/011,292 15 January 2008 (15.01.2008) US

(71) Applicant *(for all designated States except US)*: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10 Connexis, Singapore 138632 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BEGUIN, Pascal** [CH/SG]; Institute of Molecular and Cell Biology, 61 Biopolis Drive, #02-01 Proteos, Singapore 138673 (SG). **HUNZIKER, Walter** [CH/SG]; Institute of Molecular and Cell Biology, 61 Biopolis Drive, #02-01 Proteos, Singapore 138673 (SG).

(74) Agent: **YU SARN AUDREY & PARTNERS**; 17 Upper Circular Road, #03-00 Juta Building, Singapore 058415 (SG).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
— *of inventorship (Rule 4.17(iv))*

[Continued on next page]

(54) Title: NOVEL PEPTIDES AND PROTEIN AND USES THEREOF

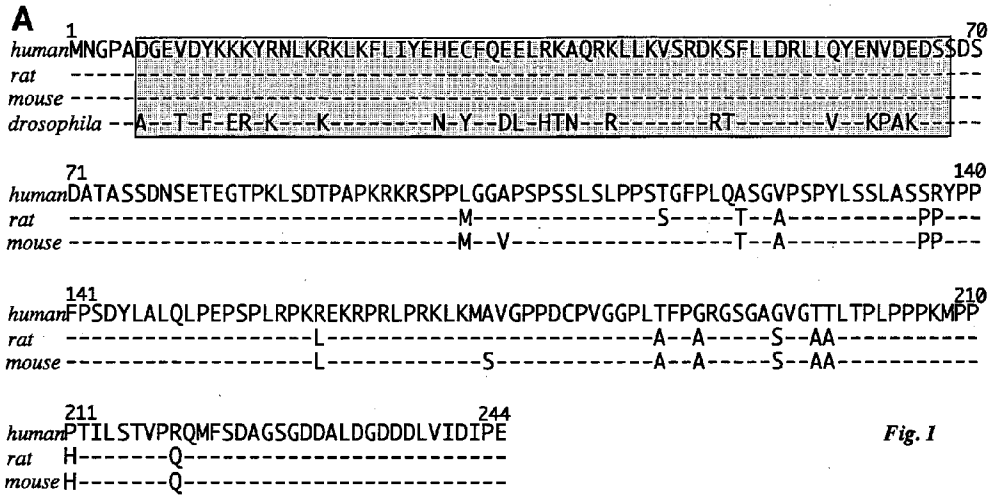


Fig. 1

(57) Abstract: The present invention relates to a novel gene encoding a protein termed Coiled Coil Domain Containing 95 (CCDC95) or a peptide fragments thereof. The present invention also relates to the use of CCDC95 in Modulation of RGK small binding protein via altering concentration or sub-cellular localisation of RGK small binding protein with CCDC95 or a peptide fragments thereof.

WO 2009/091341 A1

Published:

— *with international search report*

— *with sequence listing part of description published separately in electronic form and available upon request from the International Bureau*