

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2023/240322 A1

(43) International Publication Date
21 December 2023 (21.12.2023)

(51) International Patent Classification:

C07K 1/20 (2006.01) *C07K 1/18* (2006.01)
B01D 15/32 (2006.01) *C07K 14/705* (2006.01)
B01D 15/36 (2006.01)

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(21) International Application Number:

PCT/AU2023/050538

(22) International Filing Date:

16 June 2023 (16.06.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22179637.8 17 June 2022 (17.06.2022) EP

(71) Applicant: **CSL INNOVATION PTY LTD** [AU/AU];
655 Elizabeth Street, Melbourne, Victoria 3000 (AU).

(72) Inventors: **HINZE, Erik**; Universitaetsstrasse 46, 35037 Marburg (DE). **LEMMER, Joerg**; Wermertshaeuser Strasse 10, 35085 Ebsdorfergrund (DE). **MUELLER, Olga**; Zum Eisenberg 20, 35041 Marburg (DE). **KOKKINOS, Irina**; Am Schafbach 5, 35440 Linden (DE).

(74) Agent: **FB RICE PTY LTD**; Level 33, 477 Collins St, Melbourne, Victoria 3000 (AU).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: PURIFICATION OF SOLUBLE COMPLEMENT RECEPTOR AND VARIANTS THEREOF

(57) Abstract: The present invention pertains to the purification of soluble complement receptor proteins and variants thereof by hydrophobic interaction chromatography (HIC) using a chromatographic material with a particle size of less than 60 µm.

WO 2023/240322 A1