

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
14 February 2019 (14.02.2019)



(10) International Publication Number
WO 2019/030069 A2

(51) International Patent Classification:

C12N 15/85 (2006.01) C07K 14/71 (2006.01)

C12N 15/113 (2010.01)

Published:

- without international search report and to be republished upon receipt of that report (Rule 48.2(g))
- with sequence listing part of description (Rule 5.2(a))

(21) International Application Number:

PCT/EP2018/070829

(22) International Filing Date:

01 August 2018 (01.08.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

17001356.9 08 August 2017 (08.08.2017) EP

(71) Applicant: CEVEC PHARMACEUTICALS GMBH
[DE/DE]; Gottfried-Hagen-Str. 62, 51105 Köln (DE).

(72) Inventors: FAUST, Nicole; Mendener Str. 6, 51105 Köln (DE).
WISSING, Silke; Maybachstr. 173, 50670 Köln (DE).
STREMPER, Nikola; Andreastr. 25, 51063 Köln (DE).

(74) Agent: MÜLLER-BORÉ & PARTNER PATENTAN-
WÄLTE PARTG MBB; Friedenheimer Brücke 21, 80639 München (DE).

(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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, 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, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, 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, 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: USE OF CONSTITUTIVELY ACTIVE VARIANTS OF GROWTH FACTOR RECEPTORS AS SELECTION MAKERS FOR THE GENERATION OF STABLE PRODUCER CELL LINES

(57) Abstract: The present invention relates to methods for the selection of a stable producer cell line expressing one or more protein(s) of interest (POIs), comprising the stable transfection of cells with a gene encoding a constitutively active variant of a growth factor receptor, respective methods for the expression of one or more POIs in such stable producer cell lines, and uses of a constitutively active variant of a growth factor receptor as selection marker in the cultivation of cells.



WO 2019/030069 A2