

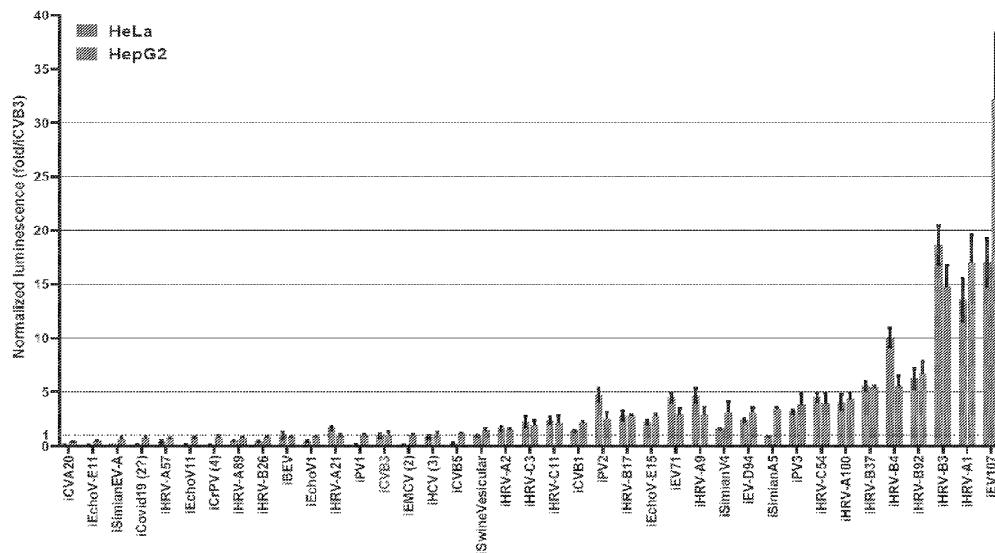
(51) International Patent Classification:
C12N 15/86 (2006.01) A61K 31/712 (2006.01)(21) International Application Number:
PCT/US2022/034756(22) International Filing Date:
23 June 2022 (23.06.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/215,102 25 June 2021 (25.06.2021) US
63/232,324 12 August 2021 (12.08.2021) US
63/320,954 17 March 2022 (17.03.2022) US
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(US).(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, IQ, IR, IS, IT, JM, 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, ST, SV, SY, TH, TJ, TM,(54) Title: COMPOSITIONS AND METHODS FOR IMPROVED PROTEIN TRANSLATION FROM RECOMBINANT CIRCUL-
LAR RNAS

FIG. 1

(57) Abstract: Provided herein are recombinant circular RNA (circRNA) molecules comprising an internal ribosome entry site (IRES) operably linked to a protein-coding nucleic acid sequence. The IRES may be, for example, a Type I IRES, such as a viral IRES. In some embodiments, the IRES is a synthetic IRES, such as an IRES comprising an aptamer. Methods of producing a protein *in vitro* or *in vivo* using the recombinant circRNA molecules are also provided.

[Continued on next page]

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, 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).

Published:

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- *with sequence listing part of description (Rule 5.2(a))*