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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 July 2015 (16.07.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/106295 A3

(51) International Patent Classification:
A61P 3/08 (2006.01) *C07K 1/00* (2006.01)
A61K 38/28 (2006.01) *C12N 15/00* (2006.01)
A61K 38/46 (2006.01)

(21) International Application Number:
PCT/US2015/011275

(22) International Filing Date:
13 January 2015 (13.01.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/926,913 13 January 2014 (13.01.2014) US
62/009,783 9 June 2014 (09.06.2014) US
62/100,881 7 January 2015 (07.01.2015) US

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(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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).

Published:
— *with international search report (Art. 21(3))*
— *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the international search report:
5 November 2015

WO 2015/106295 A3

(54) Title: ENOLASE 1 (ENO1) COMPOSITIONS AND USES THEREOF

(57) Abstract: The invention provides compositions comprising Eno1 for delivery to a muscle. Further, the invention provides a method for normalizing blood glucose in a subject with elevated blood glucose, comprising administering to the subject enolase 1 (Eno1), thereby normalizing blood glucose in the subject. The invention also provides methods of treating one or more conditions including impaired glucose tolerance, insulin resistance, pre-diabetes, and diabetes, especially type 2 diabetes in a subject, comprising administering to the subject enolase 1 (Eno1), thereby treating the condition in the subject. In certain methods of the invention, the Eno1 is delivered to muscle.