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

(19) World Intellectual Property Organization
International Bureau

(43) International publication date
21 April 2005 (21.04.2005)

PCT

(10) International publication number
WO 2005/035559 A1

(51) International patent classification[7]: C07K 14/435, C12N 5/10, 15/12, C12Q 1/68, G01N 33/50, 35/533

(21) International application number: PCT/EP2004/009843

(22) International filing date: 3 September 2004 (03.09.2004)

(25) Language of filing: German

(26) Language of publication: German

(30) Data relating to the priority:
103 42 670.1 16 September 2003 (16.09.2003) DE

(71) Applicant *(for all designated States except US)*: BAYER HEALTHCARE AG [DE/DE]; 51368 Leverkusen (DE).

(72) Inventors; and
(75) Inventors/Applicants *(US only)*: GOLZ, Stefan [DE/DE]; Bückmannsmühle 46, 45326 Essen (DE). MARKOVA, Svetlana [RU/RU]; Akademgorodok 12a-68, Krasnoyarsk, 660036 (RU). BURAKOVA, Ludmila [RU/RU]; Solnechnaya St. 9-32, Sosnovoborsk, 662500 (RU). FRANK, Ludmila [RU/RU]; Akademgorodok 19-82, Krasnoyarsk, 660036 (RU). VYSOTSKI, Eugene [RU/RU]; Lado Kechoveli St. 35-108, Krasnoyarsk, 660100 (RU).

(74) Joint Representative: BAYER HEALTHCARE AG; Law and Patents, Patents and Licensing, 51368 Leverkusen (DE).

(81) Designated states *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(81) 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, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
- *With International Search Report.*
- *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

As printed

WO 2005/035559 A1

162162

(54) Title: ISOLATED PHOTOPROTEIN MTCLYTIN, AND USE THEREOF

(54) Bezeichnung: ISOLIERTES PHOTOPROTEIN MTCLYTIN, SOWIE DESSEN VERWENDUNG

(57) Abstract: The invention relates to the photoprotein mtClytin, to its nucleotide sequence and amino acid sequence, and to the activity and use of the photoprotein mtClytin.

(57) Zusammenfassung: Die Erfindung betrifft das Photoprotein mtClytin, dessen Nukleotid- und Aminosäuresequenz, sowie die Aktivität und Verwendung des Photoproteins mtClytin.

G00002