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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/060096 A3

(51) International Patent Classification[7]: A61K 38/24, 38/27, C07K 1/00, 14/00, 16/00, 17/00, C12Q 1/68, C12P 21/06, C12N 15/00, 15/09, 15/63

(21) International Application Number: PCT/US03/00707

(22) International Filing Date: 10 January 2003 (10.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/346,898	11 January 2002 (11.01.2002)	US
60/361,073	1 March 2002 (01.03.2002)	US
60/388,315	14 June 2002 (14.06.2002)	US

(71) Applicant: GMP ENDOTHERAPEUTICS, INC. [US/US]; One East Broward Boulevard, Suite 1701, Ft. Lauderdale, FL 33301 (US).

(72) Inventors: TAYLOR-FISHWICK, David; 6117 Rolfe Avenue, Norfolk, VA 23508 (US). VINIK, Aaron, I.; 40 Radar Street, #603, Norfolk, VA 23510 (US).

(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 6110 Center Hill Road, Cincinnati, OH 45224 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), 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, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
4 December 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/060096 A3

(54) Title: ASSAY FOR THE DETECTION OF FACTORS THAT MODULATE THE EXPRESSION OF INGAP

(57) Abstract: A reporter construct contains mammalian INGAP 5'-regulatory region or a fragment thereof, a minimal promoter element from mammalian INGAP or a heterologous promoter, and a reporter gene. The reporter construct can be used to screen for agents which alone or in combination up-regulate or down-regulate reporter gene expression. Alternatively, the reporter construct can be used to screen for agents that bind to the hamster INGAP 5'-regulatory region or a fragment thereof.