

Title (en)

TRYPTOPHAN HYDROXYLASE ASSAY

Title (de)

TRYPTOPHANHYDROXYLASE-ASSAY

Title (fr)

TEST DE LA TRYPTOPHANE HYDROXYLASE

Publication

**EP 1543140 A4 20060628 (EN)**

Application

**EP 03754698 A 20030915**

Priority

- US 0329320 W 20030915
- US 41209402 P 20020919

Abstract (en)

[origin: WO2004027031A2] The present invention relates to methods of evaluation and detection of the expression of tryptophan hydroxylase (TPH) gene and induction of TPH by estrogen receptor-beta (ERbeta) agonists, utilizing TPH riboprobe and/or primers.

IPC 1-7

**C12P 19/34; C12Q 1/68**

IPC 8 full level

**C12Q 1/68** (2006.01)

CPC (source: EP)

**C12Q 1/6883** (2013.01); **C12Q 2600/158** (2013.01)

Citation (search report)

- [X] LU N Z ET AL: "Ovarian steroid action on tryptophan hydroxylase protein and serotonin compared to localization of ovarian steroid receptors in midbrain of guinea pigs", ENDOCRINE, vol. 11, no. 3, December 1999 (1999-12-01), pages 257 - 267, XP009062131, ISSN: 1355-008X
- [X] BETHEA C L ET AL: "Ovarian steroid action in the serotonin neural system of macaques.", NOVARTIS FOUNDATION SYMPOSIUM. 2000, vol. 230, 2000, pages 112 - 130 ; dis, XP009062121, ISSN: 1528-2511
- [X] BETHEA CYNTHIA L ET AL: "Effects of oral estrogen, raloxifene and arzoxifene on gene expression in serotonin neurons of macaques", PSYCHONEUROENDOCRINOLOGY, vol. 27, no. 4, May 2002 (2002-05-01), pages 431 - 445, XP002368578, ISSN: 0306-4530
- [X] GUNDLAH CHRISANA ET AL: "Estrogen receptor beta (ERbeta) mRNA and protein in serotonin neurons of macaques", MOLECULAR BRAIN RESEARCH, vol. 91, no. 1-2, 13 July 2001 (2001-07-13), pages 14 - 22, XP002368579, ISSN: 0169-328X
- [X] PECINS-THOMPSON MELANIE ET AL: "Ovarian steroid regulation of tryptophan hydroxylase mRNA expression in rhesus macaques", JOURNAL OF NEUROSCIENCE, vol. 16, no. 21, 1996, pages 7021 - 7029, XP002381509, ISSN: 0270-6474
- See references of WO 2004027031A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004027031 A2 20040401; WO 2004027031 A3 20040805; CA 2497934 A1 20040401; EP 1543140 A2 20050622; EP 1543140 A4 20060628**

DOCDB simple family (application)

**US 0329320 W 20030915; CA 2497934 A 20030915; EP 03754698 A 20030915**