

Title (en)
ISOFORMS OF HUMAN CALCIUM SENSING RECEPTOR

Title (de)
ISOFORMEN DES MENSCHLICHEN DURCH KALZIUM BEEINFLUSSBAREN REZEPTORS

Title (fr)
ISOFORMES DE RECEPTEUR DE CALCIUM HUMAIN

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Abstract (en)
[origin: WO0006601A1] The present invention relates to isoforms of a human calcium sensing receptor, and to the genes encoding these isoforms. The invention further relates to methods of screening for agonists or antagonists of the isoforms, particularly with respect to calcium receptor activity, to diagnostic uses of these isoforms and to therapeutic uses of the agonists or antagonists. The invention also relates to gene therapy using the genes encoding the receptor isoforms or molecules capable of down-regulating receptor activity, such as antisense sequences.

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Citation (search report)
• [DX] ODA Y. ET AL: "A novel alternative splicing of the calcium receptor correlates with keratinocyte differentiation", FASEB JOURNAL, vol. 11, no. 9, 1997, pages A925, XP001080428
• [XY] FREICHEL M ET AL: "EXPRESSION OF A CALCIUM-SENSING RECEPTOR IN A HUMAN MEDULLARY THYROID CARCINOMA CELL LINE AND ITS CONTRIBUTION TO CALCITONIN SECRETION", ENDOCRINOLOGY, BALTIMORE, MD, US, vol. 137, no. 9, September 1996 (1996-09-01), pages 3842 - 3848, XP002925084, ISSN: 0013-7227
• [Y] JOURNOT L ET AL: "THE PACAP RECEPTOR: GENERATION BY ALTERNATIVE SPLICING OF FUNCTIONAL DIVERSITY AMONG G PROTEIN- COUPLED RECEPTORS IN NERVE CELLS", SEMINARS IN CELL BIOLOGY, SAUNDERS SCIENTIFIC PUBLICATIONS, PHILADELPHIA,, US, vol. 5, no. 4, August 1994 (1994-08-01), pages 263 - 272, XP001008535, ISSN: 1043-4675
• [A] PEARCE S.H.S. ET AL: "Calcium-sensing receptor mutations in familial benign hypercalcemia and neonatal hyperparathyroidism", JOURNAL FOR CLINICAL INVESTIGATION, vol. 96, 1995, pages 2683 - 2692, XP001079436
• See references of WO 0006601A1

Cited by
WO2010136035A2; WO2012069420A2; WO2012069419A1; WO2010136037A1; WO2012069402A1; WO2012069421A1

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