

Title (en)

NUCLEIC SEQUENCES CODING FOR MELATONIN RECEPTORS, AND USES THEREOF

Title (de)

NUKLEOTIDSEQUENZEN, DIE FÜR MELATONINREZEPTOREN KODIEREN UND IHRE VERWENDUNG

Title (fr)

SEQUENCES NUCLEIQUES CODANT POUR DES RECEPTEURS DE LA MELATONINE ET LEURS APPLICATIONS

Publication

**EP 0850302 A1 19980701 (FR)**

Application

**EP 96926457 A 19960724**

Priority

- FR 9601167 W 19960724
- FR 9508947 A 19950724

Abstract (en)

[origin: WO9704094A1] Nucleic sequences coding for MEL1 A-type clawed toad ( DOLLAR iXenopus) melatonin receptors, also known as Mel1C, oligonucleotides included in such sequences, the uses thereof as a probe and for expressing proteins and/or fragments thereof having functional MEL1 A-type melatonin receptor activity, vectors useful for said expression, cellular hosts containing said vectors, and a melatonin receptor study model, are disclosed. A method for screening substances that are agonists or antagonists of the proteins having melatonin receptor activity, and kits for detecting the degree of affinity of various substances for said proteins having melatonin receptor activity, are also disclosed. Said nucleic sequences coding for functional MEL1 A-type melatonin receptors are selected from the following sequences: SEQ ID No 1, SEQ ID No 3, SEQ ID No 5 and SEQ ID No 7.

IPC 1-7

**C12N 15/12**; **C07K 14/72**; **C12Q 1/68**; **C12N 5/10**

IPC 8 full level

**G01N 33/566** (2006.01); **C07K 14/72** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/12** (2006.01); **C12P 21/02** (2006.01); **C12Q 1/68** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)

**C07K 14/72** (2013.01)

Citation (search report)

See references of WO 9704094A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**WO 9704094 A1 19970206**; AU 6663196 A 19970218; CA 2227554 A1 19970206; EP 0850302 A1 19980701; FR 2737220 A1 19970131; FR 2737220 B1 19970926; JP H11509416 A 19990824; NO 980266 D0 19980120; NO 980266 L 19980317; ZA 966279 B 19970410

DOCDB simple family (application)

**FR 9601167 W 19960724**; AU 6663196 A 19960724; CA 2227554 A 19960724; EP 96926457 A 19960724; FR 9508947 A 19950724; JP 50637797 A 19960724; NO 980266 A 19980120; ZA 966279 A 19960724