

Expressible cDNA Encoding Human Calcium-Activated Potassium Channels

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Inventors: Barry Ganetzky, Leo Pallanck, LingLing Ho

The Wisconsin Alumni Research Foundation is seeking commercial partners interested in cDNAs that encode the human and mouse homologs of the Drosophila calcium-activated potassium channel (BK) gene.

Overview

Calcium-activated potassium channels are a type of ion channel that is important in many physiological processes.

The Invention

UW-Madison researchers have isolated cDNAs encoding the human and mouse homologs of the Drosophila calcium-activated potassium channel (BK) gene, called slowpoke. These cDNAs can be incorporated into different vectors for expression in cell lines or in Xenopus oocytes.

Applications

• Screening for modulators of calcium-activated potassium channels

Key Benefits

· May be useful in the development of high throughput screening assays for compounds that interact with calcium-activated potassium channels

Additional Information

For More Information About the Inventors

· Barry Ganetzky

Tech Fields

- · Research Tools: Animal & disease models
- Research Tools: Cell lines

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854

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