Research Tools

Expressible cDNA Encoding Human Calcium-Activated Potassium Channels

WARF: P02096US

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