

Title (en)

TWO PORE POTASSIUM CHANNELS, NUCLEOTIDE SEQUENCES ENCODING THEM, AND METHODS OF USING SAME

Title (de)

ZWEI PORIEN KALIUMKANÄLE, NUKLEOTIDSEQUENZEN DIE DAFÜR KODIEREN , UND DEREN VERFAHREN ZUR ANWENDUNG

Title (fr)

CANAUX POTASSIQUES A DEUX PORES, SEQUENCES NUCLEOTIDIQUES CODANT CEUX-CI ET LEURS PROCEDES D'UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO0161006A2] This invention relates generally to a new family of potassium channels, whose molecular architecture is characterized by four membrane spanning domains and two putative pore forming domains. More particularly, the present invention relates to the cloning and characterization of mutants of this family of distinct transmembrane potassium ion channels which confer improved inward potassium flux under acidic conditions, characterization of such channels, newly identified polynucleotide sequences, polypeptides encoded by such sequences, expression vectors capable of heterologous expression of such polynucleotide sequences, transformed host cells containing the expression vectors, and assay methods and kits therefor for determining the expression of heterologous nucleotide sequences encoding all or a portion of said potassium channels in host cells, chromosome mapping, diagnostic methodologies and kits therefor.

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