Nucleotide sequence of a human cannabinoid receptor cDNA

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We described previously the cloning of putative G protein-coupled
receptor by selective amplification using the polymerase chain
reaction and degenerate primers corresponding to conserved
regions of known receptors (1). This approach led to the cloning
of the TSH receptor (2). Amongst the other characterized clones,
HGMP08 appeared as preferentially expressed in the brain. The
full coding region was isolated by screening a human brain stem
library constructed in lambda gt11. Sequencing on both strands
was performed after subcloning in M13mp derivatives. This clone
was identified as a human cannabinoid receptor clone, based on
its high similarity with the rat cannabinoid receptor cDNA
published recently (3). Human and rat sequences are 90% identical in terms of nucleotides and 98% in terms of amino acids.
Complete functional characterization is now under investigation.

REFERENCES
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