

Title (en)
A RECOMBINANT CELL LINE EXPRESSING GPCR α 11 AS A FUNCTIONAL RECEPTOR VALIDATED BY ANGIOPEPTIN AND USEFUL FOR SCREENING OF AGONISTS AND ANTAGONISTS

Title (de)
EINE REKOMBINANTE ZELLINIE, DIE GPCR α 11 EXPRIMIEREN UND DIE EINEN FUNKTIONELLEN REZEPTOR FÜR ANGIOPEPTIN DARSTELLT UND SICH FÜR DAS SCREENING VON AGONISTEN UND ANTAGONISTEN EIGNET

Title (fr)
LIGNEE CELLULAIRE RECOMBINEE EXPRIMANT GPCR α 11 EN TANT QUE RECEPTEUR FONCTIONNEL VALIDE PAR L'ANGIOPEPTINE ET UTILE DANS LE CRIBLAGE D'AGONISTES ET ANTAGONISTES

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Abstract (en)
[origin: WO0198330A2] The present invention is related to a G-protein coupled receptor or GPCR α 11 similar to rat RTA receptor (37 %) and expressed in testis, thymus and uterus. Aequorin cell line expressing GPCR α 11 has been used for screening of tissue extracts and reference ligands. GPCR α 11 cells gave a specific signal with synthetic angiopeptin and a somatostatin analog allowing to validate this cell line for screening of natural or synthetic agonists and antagonists. In parallel, extended tissue distribution and polyclonal antibodies have been produced to facilitate GPCR α 11 characterisation.

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