MULTISCREEN™ STABLE CELL LINE
HUMAN RECOMBINANT CALCRL RECEPTOR

Data sheet

Background: CALCRL (Calcitonin gene-related peptide type 1 receptor) is a receptor for calcitonin-gene-related peptide (CGRP) in the presence of the receptor activity modifying protein 1 (RAMP1) and receptor for adrenomedullin in the presence of RAMP2 or RAMP3. CALCRL is predominantly expressed in the lung and heart. The receptor is considered as a potential target for anti-migraine drugs.

Application: Functional assays

Figure 1

Figure 2

Figure 1. Dose-dependent stimulation of calcium flux upon treatment with ligand, monitored with FlexStation. Figure 2. Dose-dependent stimulation of intracellular cAMP accumulation upon treatment with ligand, measured with cAMP HiRange kit (Cisbio 62AM6PEC). Figure 3. Receptor expression on cell surface measured by flow cytometry (FACS) using an anti-FLAG antibody. Thin line: parental cells; thick line: receptor-expressing cells.

References:


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