MULTISCREEN™ STABLE CELL LINE
HUMAN RECOMBINANT LPA2 (EDG4) RECEPTOR

PRODUCT INFORMATION

Catalog Number: C1050-6
Lot Number: C1050-6-061808
Quantity: 1 vial (2 x 10^6) frozen cells
Freeze Medium: Sigma Freezing Medium (C-6164)
Host cell: RH7777
Transfection: Expression vector containing full-length human EDG4 cDNA (GenBank Accession Number NM_004720.4) with FLAG tag sequence at N-terminus

Recommended Storage: Liquid nitrogen upon receiving

Propagation Medium: DMEM, 10% FBS, 5 μg/mL puromycin

Stability: Stable after minimum of two months continuous growth

DATA SHEET

Background: The lysophosphatic acid receptor LPA2 or endothelial differentiation, G-protein coupled receptor 4 (EDG-4) is expressed most abundantly in testes and peripheral blood leukocytes. It is reported to be a distinctive functional marker for ovarian carcinoma.

Application: Functional assays

Figure 1

Figure 1. Dose-dependent stimulation of calcium flux upon treatment with ligand, measured with Multiscreen™ Calcium 1.0 No Wash Assay Kit (Multispan MSCA01).

Figure 2

Figure 2. 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:
