

HEK293-GPRC5D | 305989

HEK293-GPRC5D

Description

HEK293-GPRC5D is a HEK293 cell line stably expressing the human GPRC5D (G-protein coupled receptor class C group 5 domain) on the cell surface. The cells are derived from HEK293 cells and are used for studying the function of GPRC5D in signal transduction and drug discovery. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin. The cells are typically grown in 96-well plates for high-throughput screening.

HEK293-GPRC5D cells are used for studying the function of GPRC5D in signal transduction and drug discovery. The cells are derived from HEK293 cells and are used for studying the function of GPRC5D in signal transduction and drug discovery. The cells are derived from HEK293 cells and are used for studying the function of GPRC5D in signal transduction and drug discovery.

Organism

HEK293

Tissue

HEK293 cells

Disease

HEK293-GPRC5D; HEK293-GPRC5D (HEK293)

Applications

HEK293-GPRC5D cells are used for studying the function of GPRC5D in signal transduction and drug discovery. The cells are derived from HEK293 cells and are used for studying the function of GPRC5D in signal transduction and drug discovery. The cells are derived from HEK293 cells and are used for studying the function of GPRC5D in signal transduction and drug discovery.

HEK293-GPRC5D

Age

HEK293

Gender

HEK293

Morphology

HEK293 cells

Cell type

HEK293 cells

Growth properties

HEK293 cells, HEK293

HEK293-GPRC5D

Citation

HEK293-GPRC5D (HEK293-GPRC5D) Cytion: 305989

Biosafety level

1

NCBI_TaxID

9606

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Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage, and immerse the vial in a water bath at 37°C for 1-2 minutes. Remove the vial and wipe the outside with a sterile cloth. Transfer the cells to a sterile tube.
2. Add 10 ml of DMEM medium to the tube. Mix gently by pipetting. Centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of DMEM medium.
3. Seed the cells into a 25 cm² flask containing 10 ml of DMEM medium. Incubate at 37°C in 5% CO₂ atmosphere.
4. After 24 hours, check the cell density. If the density is less than 70%, add more medium to reach a total volume of 10 ml.
5. When the cells reach confluence, harvest the cells by trypsinization. Seed 15 x 10⁶ cells into 8 x 10⁶ cells into a 25 cm² flask.
6. Harvest the cells by trypsinization. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 ml of DMEM medium.
7. Seed the cells into a 25 cm² flask containing 10 ml of DMEM medium. Incubate at 37°C in 5% CO₂ atmosphere.
8. Harvest the cells by trypsinization. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 ml of DMEM medium.

Incubation
Atmosphere

37°C, 5% CO₂, humidified air

Shipping
Conditions

Cells are shipped in a dry ice container. The container should be kept at -78°C.

Storage
Conditions

Cells should be stored at -150°C in liquid nitrogen. The storage time is up to 196 weeks.

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Sterility

Cells are tested for mycoplasma contamination using PCR. The results are negative. Cells are also tested for endotoxin contamination. The results are negative.