

Product sheet

HEK293-GPRC5D | 305989

HEK293-GPRC5D

Description

HEK293-GPRC5D is a HEK293 cell line stably expressing the human GPRC5D (GPRC5D) receptor. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor 1 (IGF1). The cells are grown in the presence of blasticidin S (2.5 µg/ml) for selection and maintenance. HEK293-GPRC5D cells are used for the study of GPRC5D signaling and for the production of recombinant proteins.

Organism Human

Tissue HEK293

HEK293-GPRC5D

Age HEK293

Gender HEK293

Morphology HEK293

Growth properties HEK293, HEK293

HEK293-GPRC5D

Citation HEK293-GPRC5D (HEK293-GPRC5D) Cytion: 305989

Biosafety level 1

NCBI_TaxID 9606

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Receptors expressed GPRC5D

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Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS, 1 mM β -mercaptoethanol, 10 mM HEPES, 1% NEAA. Geneticin (G418-Sulfat) 1 mg/ml

Dissociation Reagent Trypsin-EDTA

Subculturing Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.

Fluid renewal 2-3 times per week

Post-Thaw Recovery Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.

Freeze medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath. Transfer cells to a pre-warmed medium.
 2. Wash cells with PBS. Add 2-3 ml of medium to each well.
 3. Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.
 4. Wash cells with PBS. Add 2-3 ml of medium to each well.
 5. Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.
 6. Wash cells with PBS. Add 2-3 ml of medium to each well.
 7. Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.
 8. Wash cells with PBS. Add 2-3 ml of medium to each well.

Incubation Atmosphere 37°C, 5% CO₂, humidified

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Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150 to 196°C

HLA

Sterility

PCR
Sterility