

HEK293-CXCR7 | 305421

HEK293-CXCR7

Description

HEK293-CXCR7 is a HEK293 cell line stably expressing the CXCR7 receptor. The cells are grown in DMEM supplemented with 10% FBS. The cells are characterized by high transfection efficiency and stable expression of the CXCR7 receptor. The cells are suitable for various applications including receptor activation studies, signaling pathway analysis, and drug screening.

Organism Human

Tissue HEK293

HEK293-CXCR7

Age 1-3 months

Gender Male

Morphology Adherent

Growth properties Adherent, 37°C, 5% CO2

HEK293-CXCR7

Citation HEK293-CXCR7 (HEK293-CXCR7 Cytion 305421)

Biosafety level 1

NCBI_TaxID 9606

GMO Status GMO-S1: HEK293 cells stably expressing CXCR7, HEK293-CXCR7

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Receptors expressed CXCR7 (ACKR3)

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HEK293

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% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells with PBS.
4. Resuspend cells in fresh medium.
5. Seed cells into fresh medium.
6. Wash cells with PBS.
7. Add 2-3 ml of medium to each well.
8. Monitor cell growth.

Product sheet

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Incubation Atmosphere 37°C, 5% CO₂, α -MEM, 10% FCS

Flask Coating Poly-D-Lysine, Poly-D-Lysine

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, freeze at -78°C

Shipping Conditions Dry ice, -78°C

Storage Conditions -150 to -196 °C

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Sterility PCR, α -MEM, 10% FCS, α -MEM, 10% FCS