

HEK293-CXCR7 | 305421

HEK293-CXCR7

Description

HEK293-CXCR7 is a HEK293 cell line expressing the CXCR7 receptor. The cells are stably transfected with the CXCR7 gene and are used for studying the function of CXCR7 and its ligands. The cells are grown in DMEM/F12 medium supplemented with 10% FBS. The cells are characterized by high transfection efficiency and high expression levels of CXCR7.

Organism

HEK293

Tissue

HEK293

Disease

HEK293-CXCR7; HEK293 (HEK293)

Applications

HEK293-CXCR7; CXCR7/ACKR3; GPCR; HEK293-CXCR7; HEK293-CXCR7

HEK293

Age

HEK293

Gender

HEK293

Morphology

HEK293

Cell type

HEK293

Growth properties

HEK293, HEK293

HEK293-CXCR7

Citation

HEK293-CXCR7 (HEK293-CXCR7) Cytion 305421

Biosafety level

1

NCBI_TaxID

9606

CellosaurusAccession

CVCL_6G22

Product sheet

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GMO Status

GMO-S1: HEK293 CXCR7

Receptors expressed

CXCR7 (ACKR3)

Culture Medium

RPMI 1640, w: 2.0 mM , w: 2.0 / NaHCO₃ (Cytion 820700a)

Supplements

FBS 10%, 1 , HEPES 10 , NEAA 1%

Dissociation Reagent

-

Doubling time

24-36

Subculturing

: PBS

Split ratio

1 : 5

Seeding density

2 $\times 10^4$ /

Fluid renewal

2 : 3

Post-Thaw Recovery

1:2 : 1:3 T25
:

Freeze medium

(FBS) + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw cells rapidly at 37°C.
2. Centrifuge at 300 x g for 3 min.
3. Resuspend cells in 15 ml of complete medium.
4. Seed cells into a 70% confluent T75 flask.
5. Incubate cells at 37°C, 5% CO₂.
6. Harvest cells after 10 days.
7. Store cells at -150 °C.
8. Thaw cells at -196 °C.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing
Procedure

Cells are frozen in cryovials containing 1 ml of freezing medium.

Shipping
Conditions

Cells are shipped on dry ice at -150 °C.

Storage
Conditions

Cells are stored at -150 °C for up to 12 months.

Sterility

Cells are tested for mycoplasma contamination using PCR.

Cells are tested for endotoxin contamination using a Limulus amoebocyte lysate (LAL) assay.