

HK-CRISPR-Tpr-mEGFP | 300662

Product description

Description HK-CRISPR-Tpr-mEGFP is a cell line derived from HeLa cells, which are a type of epithelial cell. The cells are characterized by the presence of a CRISPR-Cas9 system, which is used for genome editing. The cells are also expressing a mEGFP (mini-emerald green fluorescent protein) gene, which is used for visualization and selection of the edited cells. The cells are maintained in a medium containing Tpr (thymidine phosphate) and are characterized by their high growth rate and ability to form colonies.

Organism Human

Tissue Epithelial cells

Disease No disease associated

Cell characteristics

Age 30 days

Gender Male

Ethnicity Chinese

Morphology Epithelial cells, forming colonies

Growth properties High growth rate, forming colonies

Genetic information

Citation HK-CRISPR-Tpr-mEGFP (Cytion 300662)

Biosafety level 1

NCBI_TaxID 9606

Depositor Cytion GmbH (EMBL)

GMO Status GMO-S1: HeLa Kyoto cells expressing Tpr-mEGFP CRISPR, derived from HeLa Kyoto cells

Genetic information

Product sheet

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Protein expression Tpr, mEGFP-tag

XXXXXX

Culture Medium DMEM, w: 4.5 g/L XXXXX, w: 4 mM L-XXXXXX, w: 3.7 g/L NaHCO₃, w: 1.0 mM XXXX XXXXX (XXXX XXXXX Cytion 820300a)

Supplements XXXX XXXX 10% FBS

Dissociation Reagent XXXXX

Subculturing XXX XX XXXXX XXXX XXXXX XXXXX XXXX XXXX X-PBS XXX XXXX XXXXX XXXX XXXXX T25, XXXXX X-3-5 X' X-PBS, XXXXX XXXX 3 XXXX. XXXX XX XXXXX XXXXX, XXXX XX XXXXX XXXXX XXXXX XXX XXXXX XXXX XXXXX XXXXX XXXX XXXX XXXXX XXXXX XXXX.

Freeze medium XXXXX XXXXX XXXXX, XXX XXXXX XXXXX XXXXX XXXX (XXXX FBS) + 10% DMSO XXX XXXXX XXXXX XXXXX XXXX XXXXX, XXX C

Thawing and Culturing Cells

1. XXX XXXXX XXXX XXXX XXXXX XXX XXXXX, XXX XXXXX XXXXX XXXX XXX XXXX XXXX XXX XXXXX XXXXXXXXXXXX XXXXX
2. XX XXXX XXXXX, XXXX XX XXXXX XXXXXXXXXXXX XXX XXXXXXXXXXXX XXXXX X-150°C XXX XXXXX XX XXXXX XXXXX XXXXX, XX XXXX
3. XXXXX XXXXX XXXXX, XXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XX XXX XXXXX XXXXX XXX XXXXXXXXXXXX XX 37 XXXXX XXXXX XX XXX XXXX
4. XXX XX XX XXXXX XXXXX XXXXX XXXXXXXXXXXX XXXXX, XXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XXXXX 70% XXXX XXXXX
5. XXX XXXXX XX XXXXXXXXXXXX XXXXX XXXXX XX XXXXX XXXXX XXXXXXXXXXXX XXXXX 15 X' XX XXXXX 8 X' XX XXX XXXXX XXXX
6. XXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX X-300 x g XXXX 3 XXXX XXX XXXXX XX XXXXX, XXXXX XXXXXXXXXXXX XX XXXXX XXXXXXXXXXXX XXXXX XX
7. XXXX XXXXXXXXXXXX XX XXXX XXXXX X-10 X' XX XXX XXXXX XXXX. XXXX XXXX XXXXX, XXXX XX XXXXXXXXXXXX XXX XXXXXXXXXXXX XXXXX T2
8. XXXXX XX XXXXXXXXXXXX XX-XXXXX XXXXXXX XXXXX XXXXX XXXXXXXXXXXX XX XX XXXXX, XXX XXXXXXX XXXXXXX XXXXX XXXXXXX

Incubation Atmosphere 37°C, 5% CO₂, XXXXX XXXX

Flask Coating XX XXXX

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Freezing Procedure

-78°C

Shipping Conditions

[illegible]

Storage Conditions

[illegible]

XIX XIX XIX XIX XIX XIX XIX XIX

Sterility

XXXXXXXXXXXXXXXX XXXX XXXXXXXX XXXXXXXX PCR XXXXXX XXXXX XXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXXXXX

XXXXXXXXXX XXXX XXXXXX, XXXXXXXX XX XXXX, XXXXXXXX XXXXXX XXXXXXXX XXXXXXXX XXXXXXXX