

HK-CRISPR-Pom121-mCherry | 300658

Product information

Description	HK-CRISPR-Pom121-mCherry is a HeLa Kyoto cell line, derived from HeLa Kyoto cells, expressing mCherry, a red fluorescent protein, under the control of the CRISPR-Cas9 system. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin.
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Organism	HeLa
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Tissue	Epithelial cells
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Disease	None
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Cell characteristics

Age	30 days
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Gender	Male
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Ethnicity	Chinese
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Morphology	Epithelial cells, adherent
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Growth properties	High
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Documentation

Citation	HK-CRISPR-Pom121-mCherry (Cytion 300658)
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Biosafety level	1
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NCBI_TaxID	9606
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Depositor	EMBL
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GMO Status	GMO-S1: HeLa Kyoto cells expressing mCherry under the control of the CRISPR-Cas9 system.
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Additional information

Product sheet

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Protein expression Pom121, mCherry-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 PBS XXX XXXX XXXXX XXXX XXXXX T25, XXXXX 3-5 10⁶ 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 XXXXX XXXXX XXXXX.
2. XX XXXX XXXXX, XXXX XX XXXXX XXXXX XXX XXXXX XXXXX 150°C XXX XXXXX XX XXXXX XXXXX XXXXX, XX XXXX XXXXX XXXXX.
3. XXXXX XXXXX XXXXX, XXXXX XX XXXXX XXXXX XX XXX XXXXX XXXXX XXX XXXXX XXXXX XX 37 XXXXX XXXXX XX XXX XXXX.
4. XXX XX XX XXXXX XXXXX XXXXX XXXXX XXXXX, XXXX XX XXXXX XXXXX XXXXX 70% XXXX XXXXX.
5. XXX XXXXX XX XXXXX XXXXX XXXXX XXXX XX XXXXX XXXXX XXXXX XXXXX XXXXX 15 10⁶ XXXXX 8 10⁶ XX XXX XXXXX XXXXX.
6. XXXXX XX XXXXX XXXXX XXXXX 300 x g XXXX 3 XXXX XXX XXXXX XX XXXXX, XXXXX XXXXX XX XXXXX XXXXX XXXXX XXXX.
7. XXXX XXXXX XX XXXX XXXXX 10 10⁶ XX XXX XXXXX XXX. XXXX XXX XXXXX, XXXX XX XXXXX XXX XXX XXXXX XXXXX T25.
8. XXXXX XX XXXXX XXXX-XXXX XXXXX XXXXX XXXXX XXXXX XXX XXXXX, XXX XXXXX XXXXX XXXXX XXXXX.

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

Flask Coating XX XXXX

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Freezing
Procedure

1. Thaw the vial in a water bath at 37°C. 2. Add 100 µl of the suspension to a microcentrifuge tube. 3. Centrifuge at 14,000 x g for 1 minute. 4. Remove the supernatant. 5. Resuspend the pellet in 50 µl of freezing medium. 6. Aliquot into 10 µl volumes. 7. Freeze at -80°C.

Shipping
Conditions

1. Ship at -80°C. 2. Use dry ice for shipping. 3. Store at -80°C until use.

Storage
Conditions

1. Store at -80°C. 2. Do not freeze-thaw multiple times. 3. Use within 12 months of receipt.

CRISPR-Cas9 System

Sterility

1. The system is sterile. 2. No PCR amplification is required. 3. The system is ready to use. 4. No further purification is needed. 5. The system is stable at -80°C.