

HK-CRISPR-Nup62-mEGFP | 300659

Product information

Description	HK-CRISPR-Nup62-mEGFP is a cell line derived from HeLa cells expressing Nup62 (mEGFP) under the control of a CRISPR-Cas9 system. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cells are characterized by their ability to form large, multinucleated cells (giant cells) and their sensitivity to oxidative stress.
Organism	HeLa
Tissue	Epithelial cells
Disease	None

Cell characteristics

Age	30 days
Gender	Male
Ethnicity	European
Morphology	Epithelial cells, forming large, multinucleated cells (giant cells)
Growth properties	Highly proliferative

Genetic information

Citation	HK-CRISPR-Nup62-mEGFP (HeLa) Cytion 300659
Biosafety level	1
NCBI_TaxID	9606
Depositor	HeLa (EMBL)
GMO Status	GMO-S1: HeLa Kyoto cells expressing Nup62-mEGFP under the control of a CRISPR-Cas9 system.

Genetic information

Product sheet

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Protein expression Nup62, 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 XXXX (XXXX XXXX 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 XXXXX XXXXX XXXXX.
2. XX XXXX XXXXX, XXXX XX XXXXX XXXXX XXX XXXXX XXXXX XXXX X-150°C XXX XXXXX XX XXXXX XXXXX XXXXX, XX XXXX.
3. XXXXX XXXXX XXXXX, XXXXX XX XXXXX XXXXX XXX XXX XXXXX XXXXX XXX XXXXX XXXXX XXX 37 XXXXX XXXXX XXX 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 XXXX 15 X' XX XXXXX 8 X' XX XXX XXXXX XXXX.
6. XXXXX XX XXXXX XXXXX XXXX X-300 x g XXXX 3 XXXX XXX XXXXX XXX XXXXX, XXXXX XXXXX XX XXXXX XXXXX XXXXX XXXX.
7. XXXX XXXXX XX XXXX XXXXX X-10 X' XX XXX XXXXX XXXX. XXXX XXXX XXXXX, XXXX XX XXXXX XXX XXX XXXXX XXXXX T2.
8. XXXXX XX XXXXX XXXX X-XXXX XXXXX XXXXX XXXXX XXXXX XXX XXXXX, XXX XXXXX XXXXX XXXXX XXXXX.

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

[illegible][illegible]

-78°C

XXXXXXXXXXXX XXXX, XX XXXXX XX XXXXXXXXXXXX XXXXX XXXXX XXXX XX XXX XXXXXXXXXXXX XX -150 XX 196 XXXXX XXXXXX. XXXXX XXXXX

[illegible]

XXXXXXXXXX XXXXX XXXXXX XXXXXXXX, XXXXXXXXXX XX XXXXX, XXXXXXXXXX XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX