

Product sheet

HK-CRISPR-mEGFP-Nup214 | 300671

Product name

Description HK-CRISPR-mEGFP-Nup214 Nup214, NPC, CRISPR-C

Organism HeLa

Tissue NPC

Disease NPC

Product ID

Age 30 days

Gender Male

Ethnicity European

Morphology NPC

Growth properties NPC

Product ID

Citation HK-CRISPR-mEGFP-Nup214 (Cytion 300671)

Biosafety level 1

NCBI_TaxID 9606

Depositor Cytion (EMBL)

GMO Status GMO-S1: HeLa Kyoto mEGFP CRISPR Nup214

Product ID

HEK293T-HK-CRISPR-mEGFP-Nup214 | 300671

Protein expression	Nup214, mEGFP-tag
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Media

Culture Medium	DMEM, w: 4.5 g/L D-glucose , w: 4 mM L- glutamine , w: 3.7 g/L NaHCO_3 , w: 1.0 mM NaCl (Cytion 820300a)
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Supplements	FBS 10%
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Dissociation Reagent	Trypsin
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Subculturing	Cells are cultured in DMEM supplemented with 10% FBS in T25 flasks, 3-5 $\times 10^6$ cells per flask. When cells reach 70-80% confluency, they are trypsinized and seeded into new flasks.
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Freeze medium	DMEM supplemented with 10% FBS + 10% DMSO
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- Thawing and Culturing Cells**
1. Thaw the vial rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed 15 mL centrifuge tube containing 10 mL of DMEM supplemented with 10% FBS.
 2. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cell pellet in 10 mL of fresh DMEM + 10% FBS.
 3. Seed the cells into a pre-warmed T25 flask containing 10 mL of DMEM + 10% FBS. Incubate at 37°C with 5% CO_2 .
 4. Once cells reach 70-80% confluency, perform a subculture by trypsinizing and seeding into a new T25 flask.
 5. For larger scale cultures, seed cells into T75 flasks or 250 mL spinner flasks.
 6. For cryopreservation, harvest cells by trypsinization and resuspend in 1 mL of freeze medium per 10^6 cells.
 7. Store the cells in liquid nitrogen vapor phase.
 8. Thaw cells rapidly in a 37°C water bath and seed into a pre-warmed flask.

Incubation Atmosphere	37°C, 5% CO_2
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Flask Coating	None
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