

HK-CRISPR-NUP205-mEGFP | 301574

Product information

Description	HK-CRISPR-NUP205-mEGFP is a cell line derived from HeLa cells. It is characterized by the presence of a CRISPR-Cas9 system targeting the NUP205 gene, and the expression of mEGFP. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The CRISPR-Cas9 system is used to generate NUP205 knockout cells, which are then screened for mEGFP expression. The resulting cell line is designated as HK-CRISPR-NUP205-mEGFP #81.
Organism	Human
Tissue	Embryonic kidney
Disease	None
Metastatic site	None
Applications	Gene editing (CRISPR-Cas9), Gene expression analysis (mEGFP), Cell line derivation (HeLa), Cell culture (DMEM, FBS, penicillin/streptomycin)
Synonyms	HK-CRISPR-NUP205-mEGFP #81

Cell characteristics

Age	30 days
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial cells, adherent
Cell type	HeLa
Growth properties	Highly proliferative

Documentation

Citation	HK-CRISPR-NUP205-mEGFP (Cytion 301574)
Biosafety level	1

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Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a flask containing 10 mL of pre-warmed medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments.
4. For passaging, remove the medium and replace it with fresh pre-warmed medium.
5. Seed the cells into a new flask at a density of 15 x 10⁴ cells per flask.
6. Incubate the cells at 37°C with 5% CO₂ until they reach confluence.
7. Harvest the cells by trypsinization and centrifugation.
8. Resuspend the cells in pre-warmed medium and seed them into a new flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating No coating

Freezing Procedure Harvest cells and resuspend in freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C during shipping.

Storage Conditions Store at -150°C for up to 196 weeks.

CRISPR / gRNA / HLA

Sterility

The cells are provided in a sterile, cryoprotected state. The medium is also sterile.