

U2OS-CRISPR-NUP96-mEGFP | 300174

General Information

Description U-2 OS-CRISPR-NUP96-mEGFP is a cell line derived from U-2 OS cells. It is a CRISPR-Cas9 knock-in cell line expressing NUP96, a nuclear protein, and mEGFP (mCherry) as a reporter gene. The cell line is characterized by its growth properties, morphology, and tissue origin.

Organism Human

Tissue Bone Marrow

Disease Acute Myeloid Leukemia

Characteristics

Age 15 years

Gender Male

Ethnicity Caucasian

Morphology Adherent, Epithelial

Growth properties High growth rate

Identification

Citation U-2 OS-CRISPR-NUP96-mEGFP (U-2 OS) 195 (Cytion 300174)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_B7FJ

Depositor Cytion (EMBL)

GMO Status GMO-S1: U-2 OS-CRISPR-NUP96-mEGFP (U2OS-CRISPR-NUP96-mEGFP, 195) NUP96-mEGFP

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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 150 cm² flask containing 150 ml of medium.
3. Incubate the cells at 37°C in 5% CO₂.
4. Once cells reach 70% confluency, passage them into a new flask.
5. Seed cells into a 15 cm² flask containing 15 ml of medium.
6. Seed cells into a 300 x g 3 ml microcentrifuge tube.
7. Seed cells into a 10 cm² flask containing 10 ml of medium.
8. Seed cells into a 10 cm² flask containing 10 ml of medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 300 x g 3 ml microcentrifuge tube. Add 1 ml of freezing medium. Freeze at -80°C.

Shipping Conditions Ship at -80°C.

Storage Conditions Store at -150°C for 196 days.

Genotype / HLA

Sterility Cells are free of mycoplasma and PCR confirmed for CRISPR-Cas9 mediated gene editing.