

## 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-out cell line for NUP96, which is a nuclear pore complex protein. The cells express mEGFP (merry enhanced green fluorescent protein) as a marker. The cell line is characterized by a karyotype of 46,XX,195, and it is a derivative of the NUP96-mEGFP cell line.

**Organism** Human  
**Tissue** Cell culture  
**Disease** NUP96 knock-out

### Characteristics

**Age** 15 days  
**Gender** Male  
**Ethnicity** Caucasian  
**Morphology** Adherent  
**Growth properties** High growth rate

### Identification

**Citation** U-2 OS-CRISPR-NUP96-mEGFP (U-2 OS) 195 (U-2 OS) Cytion 300174  
**Biosafety level** 1  
**NCBI\_TaxID** 9606  
**CellosaurusAccession** CVCL\_B7FJ  
**Depositor** Cytion (EMBL)  
**GMO Status** GMO-S1: U-2 OS-CRISPR-NUP96-mEGFP, 195 (U-2 OS) 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 cm<sup>2</sup> flask containing 150 ml of pre-warmed medium.
3. Incubate the cells at 37°C in 5% CO<sub>2</sub>.
4. Once cells reach 70% confluency, passage them into a new flask.
5. Seed the cells into a 15 cm<sup>2</sup> flask containing 15 ml of pre-warmed medium.
6. Incubate the cells at 37°C in 5% CO<sub>2</sub>.
7. Once cells reach 100% confluency, passage them into a new flask.
8. Incubate the cells at 37°C in 5% CO<sub>2</sub>.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

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

**Shipping Conditions** Store at -80°C.

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

### Genotype / HLA

**Sterility** Cells are tested for mycoplasma contamination. PCR results are negative.