

U2OS-CRISPR-NUP96-mMaple | 300461

General information

Description	U-2 OS-CRISPR-NUP96-mMaple cell line. This cell line is derived from U-2 OS cells and is characterized by the presence of a CRISPR-Cas9 system targeting the NUP96 gene. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cell line is available in 16-well plates.
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Organism	Homo sapiens
Tissue	Ovary
Disease	None

Characteristics

Age	15 days
Gender	Female
Ethnicity	Not applicable
Growth properties	Adherent

Identification and safety

Citation	U-2 OS-CRISPR-NUP96-mMaple (Cell Line Catalogue 300461)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_B7FK
Depositor	EMBL
GMO Status	GMO-S1: U2OS-CRISPR-NUP96-mMaple (U2OS-CRISPR-NUP96-mMaple 16)

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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. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 10 ml of pre-warmed medium.
3. Seed the cells into a 25 cm² flask containing 10 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a 5% CO₂ atmosphere.
5. Once the cells have reached confluence, they can be used for experiments.
6. For long-term storage, harvest the cells and freeze them in liquid nitrogen.
7. Thaw the cells in a water bath at 37°C and seed them into a new flask.
8. Repeat the process for subsequent passages.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Harvest cells and freeze in liquid nitrogen.

Shipping Conditions Dry ice, -78°C

Storage Conditions -150°C to -196°C

Genetic Markers / HLA

Sterility Cells are free of mycoplasma and other contaminants. PCR screening is performed.