

U2OS-CRISPR-SNAPf-Nup358/RanBP2 | 300663

Key words

Description

U2OS-CRISPR-SNAPf-Nup358/RanBP2 is a cell line derived from U2OS cells, which are a human osteosarcoma cell line. The cells are stably transfected with a CRISPR-Cas9 system targeting the NUP358 gene, and a SNAPf-Nup358 fusion protein is expressed. The cells are used for studying the function of Nup358 in the nuclear pore complex (NPC).

SNAPf is a fluorescent protein that binds to Nup358. SNAPf-Nup358 is used to visualize the NPC in live cells. The cells are used for studying the function of Nup358 in the NPC.

Nup358 is a nuclear pore complex (NPC) protein. It is a member of the Nup133 family of proteins. Nup358 is involved in the assembly and function of the NPC. It is also involved in the transport of macromolecules across the nuclear envelope.

Organism

Human

Tissue

Osteosarcoma

Disease

Osteosarcoma

Characteristics

Age

15 days

Gender

Male

Ethnicity

Human

Morphology

Epithelial

Growth properties

Adherent

References

Citation

U2OS-CRISPR-SNAPf-Nup358/RanBP2 (Cytion 300663)

Biosafety level

1

NCBI_TaxID

9606

Depositor

EMBL

GMO Status

GMO-S1: U2OS-CRISPR-SNAPf-Nup358/RanBP2 (U2OS-CRISPR-SNAPf-Nup358/RanBP2) SNAPf-Nup358/RanBP2

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Flask Coating

Freezing Procedure

1. Harvest cells and resuspend in freezing medium. 2. Seed cells into freezing vials. 3. Freeze vials in a controlled rate freezer. 4. Store vials in liquid nitrogen. 5. Thaw vials in a water bath at 37°C. 6. Seed cells into a well plate.

Shipping Conditions

1. Ship cells in a dry ice container. 2. Store cells at -78°C.

Storage Conditions

1. Store cells at -150 to -196 °C. 2. Store cells in a liquid nitrogen container.

U2OS-CRISPR-SNAPf-Nup358/RanBP2 / U2OS-CRISPR-SNAPf-Nup358/RanBP2 / HLA

Sterility

1. Cells are produced in a GMP facility. 2. Cells are tested for mycoplasma contamination. 3. Cells are tested for endotoxin contamination. 4. Cells are tested for PCR contamination.

5. Cells are tested for HLA contamination. 6. Cells are tested for other contaminants.