

### U2OS-CRISPR-SNAPf-SEH1 | 300664

#### U2OS-CRISPR-SNAPf-SEH1

**Description** U2OS-CRISPR-SNAPf-SEH1 is a cell line derived from U2OS cells. It is a stable cell line expressing a CRISPR-Cas9 system targeting the NPC1 gene. The CRISPR-Cas9 system is flanked by loxP sites and is inducible by doxycycline. The CRISPR-Cas9 system is used to generate NPC1 knockout cells. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin, transferrin, and selenium (ITS). The cell line is characterized by its ability to form large, flat colonies.

**Organism** *Homo sapiens*

**Tissue** *Homo sapiens* fibroblast

**Disease** NPC1 deficiency

#### Characteristics

**Age** 15 days

**Gender** Male

**Ethnicity** European

**Morphology** Adherent, fibroblast

**Growth properties** High growth rate

#### References

**Citation** U2OS-CRISPR-SNAPf-SEH1 (Accession number 300664)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**Depositor** Cytion GmbH (EMBL)

**GMO Status** GMO-S1: U2OS-CRISPR-SNAPf-SEH1 (U2OS-CRISPR-SNAPf-SEH1) is a genetically modified organism (GMO) derived from U2OS cells. It is a stable cell line expressing a CRISPR-Cas9 system targeting the NPC1 gene. The CRISPR-Cas9 system is flanked by loxP sites and is inducible by doxycycline. The CRISPR-Cas9 system is used to generate NPC1 knockout cells. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin, transferrin, and selenium (ITS). The cell line is characterized by its ability to form large, flat colonies.



