

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

U2OS-LacO-I-SceI-TetO

RRID:CVCL_ZC51

Type: Cell Line

Proper Citation

RRID:CVCL_ZC51

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_ZC51

Proper Citation: RRID:CVCL_ZC51

Description: Cell line U2OS-LacO-I-SceI-TetO is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Osteosarcoma

Defining Citation: [PMID:25464843](#)

Comments: Characteristics: Contains 2 integrated copies of a construct that consist of a I-SceI endonuclease cut site (I-SceIcs) sandwiched between 256 copies of the lac operator (lacO) and 96 copies of the tet operator (tetO) (Kerafast=ENH105-FP)., Characteristics: Cell line designed to probe the role of chromatin condensation in DNA damage response (DDR) using a lac-repressor/operator-tethering system (Kerafast=ENH105-FP)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: U2OS-LacO-I-SceI-TetO

Cross References: Kerafast:ENH105-FP, Wikidata:Q98133788

ID: CVCL_ZC51

Hierarchy: cvcl_0042

Record Creation Time: 20220427T221640+0000

Record Last Update: 20260913T010250+0000

Ratings and Alerts

No rating or validation information has been found for U2OS-LacO-I-SceI-TetO.

No alerts have been found for U2OS-LacO-I-SceI-TetO.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Noguchi K, et al. (2024) Multi-omics analysis using antibody-based in situ biotinylation technique suggests the mechanism of Cajal body formation. Cell reports, 43(9), 114734.

Chappidi N, et al. (2024) PARP1-DNA co-condensation drives DNA repair site assembly to prevent disjunction of broken DNA ends. Cell, 187(4), 945.