

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

Ocy454

RRID:CVCL_UW31

Type: Cell Line

Proper Citation

RRID:CVCL_UW31

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_UW31

Proper Citation: RRID:CVCL_UW31

Description: Cell line Ocy454 is a Conditionally immortalized cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:25953900](#), [PMID:30977540](#)

Comments: Characteristics: Expresses GFP Topaz under the control of the Dmp1 promoter., Characteristics: Displays a dendritic morphology similar to other osteocytic cell lines.

Category: Conditionally immortalized cell line

Organism: Mus musculus (Mouse)

Name: Ocy454

Synonyms: OCY454

Cross References: Wikidata:Q98128331

ID: CVCL_UW31

Record Creation Time: 20220427T221356+0000

Record Last Update: 20260725T235755+0000

Ratings and Alerts

No rating or validation information has been found for Ocy454.

No alerts have been found for Ocy454.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Anloague A, et al. (2025) A novel CCL3-HMGB1 signaling axis regulating osteocyte RANKL expression in multiple myeloma. *Haematologica*, 110(4), 952.

Adhikari M, et al. (2024) Single-cell Transcriptome Analysis Identifies Senescent Osteocytes as Contributors to Bone Destruction in Breast Cancer Metastasis. *Research square*.

Kaur J, et al. (2024) Single-Cell Transcriptomic Analysis Identifies Senescent Osteocytes That Trigger Bone Destruction in Breast Cancer Metastasis. *Cancer research*, 84(23), 3936.

Bolamperti S, et al. (2024) Tgif1-deficiency impairs cytoskeletal architecture in osteoblasts by activating PAK3 signaling. *eLife*, 13.

Gould NR, et al. (2021) Disparate bone anabolic cues activate bone formation by regulating the rapid lysosomal degradation of sclerostin protein. *eLife*, 10.

Schwebach CL, et al. (2020) Osteogenesis imperfecta mutations in plastin 3 lead to impaired calcium regulation of actin bundling. *Bone research*, 8, 21.