

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

UMR-106

RRID:CVCL_3617

Type: Cell Line

Proper Citation

RRID:CVCL_3617

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3617

Proper Citation: RRID:CVCL_3617

Description: Cell line UMR-106 is a Cancer cell line with a species of origin Rattus norvegicus (Rat)

Disease: Rat osteosarcoma

Defining Citation: [PMID:6575864](#), [PMID:7988420](#)

Comments: Characteristics: Responsive to PTH, prostaglandins and bone-resorbing steroids., Characteristics: Established from a transplantable tumor.

Category: Cancer cell line

Organism: Rattus norvegicus (Rat)

Name: UMR-106

Synonyms: UMR 106, UMR106

Cross References: BTO:BTO_0002576, CLO:CLO_0009485, EFO:EFO_0022806, CLDB:cl4610, ATCC:CRL-1661, BCRC:60270, BCRJ:0243, CCRID:3101RATTCR11, CLS:305197, ECACC:90111314, IZSLER:BS TCL 106, NCBI_Iran:C586, Ubigene:YC-A015, Wikidata:Q54991129

ID: CVCL_3617

Record Creation Time: 20220427T221659+0000

Record Last Update: 20260830T000234+0000

Ratings and Alerts

No rating or validation information has been found for UMR-106.

No alerts have been found for UMR-106.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Inson I, et al. (2025) Cannabinoid Receptor Type 2 Agonist, GW405833, Reduced the Impacts of MDA-MB-231 Breast Cancer Cells on Bone Cells. *Cancer medicine*, 14(4), e70709.

Kinoshita S, et al. (2025) Lack of PTEN in Osteocytes Increases Lipocalin-2 Level and Confers Resistance to High-Fat Diet-Induced Obesity in Mice. *Endocrinology*, 166(3).

Nagata Y, et al. (2022) Parathyroid Hormone Regulates Circulating Levels of Sclerostin and FGF23 in a Primary Hyperparathyroidism Model. *Journal of the Endocrine Society*, 6(4), bvac027.

Ramezanipour N, et al. (2022) Development of a Hypoparathyroid Male Rodent Model for Testing Delayed-Clearance PTH Molecules. *Endocrinology*, 163(2).

Zaloszyc A, et al. (2022) Inactivation of Osteoblast PKC Signaling Reduces Cortical Bone Mass and Density and Aggravates Renal Osteodystrophy in Mice with Chronic Kidney Disease on High Phosphate Diet. *International journal of molecular sciences*, 23(12).

Khunluck T, et al. (2022) Activation of cannabinoid receptors in breast cancer cells improves osteoblast viability in cancer-bone interaction model while reducing breast cancer cell survival and migration. *Scientific reports*, 12(1), 7398.

Toepfer ET, et al. (2021) Calcium isotope fractionation by osteoblasts and osteoclasts, across endothelial and epithelial cell barriers, and with binding to proteins. *American journal of physiology. Regulatory, integrative and comparative physiology*, 321(1), R29.

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

Nagata Y, et al. (2019) Attenuated Dentin Matrix Protein 1 Enhances Fibroblast Growth Factor 23 in Calvaria in a Primary Hyperparathyroidism Model. *Endocrinology*, 160(5), 1348.