Resource Summary Report

Generated by dkNET on Sep 5, 2026

hFOB 1.19

RRID:CVCL_3708
Type: Cell Line

Proper Citation

ATCC Cat# CRL-3602, RRID:CVCL_3708

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3708

Proper Citation: ATCC Cat# CRL-3602, RRID:CVCL_3708

Description: Cell line hFOB 1.19 is a Conditionally immortalized cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: PMID:7754797, PMID:10719274, PMID:12210717

Comments: Anecdotal: Have been flown in space on shuttle flight STS-80 to study growth in microgravity (PubMed=10719274)., Group: Space-flown cell line (cellonaut)., Group: Patented cell line.

Category: Conditionally immortalized cell line

Organism: Homo sapiens (Human)

Name: hFOB 1.19

Synonyms: hFOB1.19, hFOB

Cross References: BTO:BTO_0004827, BTO:BTO_0005224, CLO:CLO_0003737, ABM:T0007, AddexBio:T0004005/4973, ATCC:CRL-3602, ATCC:CRL-11372, BCRC:60357, BioSample:SAMN03471334, CCRID:3101HUMGNHu14, CLS:305069, GEO:GSM320833, IZSLER:BS CL 198, TOKU-E:1462, Wikidata:Q54883300

ID: CVCL_3708

Vendor: ATCC

Catalog Number: CRL-3602

Record Creation Time: 20250130T071633+0000

Record Last Update: 20260904T020857+0000

Ratings and Alerts

No rating or validation information has been found for hFOB 1.19.

No alerts have been found for hFOB 1.19.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Peng M, et al. (2026) In vitro modeling of nutritional and mitochondria-targeted therapies for osteosarcoma. bioRxiv : the preprint server for biology.

Luo Y, et al. (2026) Exosomal circZNF638 promotes postmenopausal osteoporosis progression through MGAT1-mediated SMAD9 glycosylation. Connective tissue research, 67(3), 225.

Knabe A, et al. (2026) Protection of osteoblasts from Zn²? toxicity in titanium implant surface modification: Lipoic acid against induced metabolic collapse. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 196, 119157.

Ren Z, et al. (2026) MAT2A enhances PARN transcription via SRF to accelerate glycolysis and drive malignant progression in osteosarcoma. Communications biology, 9(1), 241.

Xu G, et al. (2026) Machine Learning-Based Identification and Validation of PYCR1 and PYGM as Prognostic Biomarkers for Osteosarcoma. Clinical Medicine Insights. Oncology, 20, 11795549261452567.

Wang J, et al. (2026) Prognostic characteristics of disulfidptosis-related genes across cancers and their potential implications in osteosarcoma. Science progress, 109(2), 368504261464856.

Jing D, et al. (2025) Transketolase promotes osteosarcoma progression through the YY1-PAK4 axis. The FEBS journal, 292(7), 1798.

Beltrán-Hernández NE, et al. (2025) Biological Activity of Biomarkers Associated With Metastasis in Osteosarcoma Cell Lines. Cancer medicine, 14(6), e70391.

Yang Y, et al. (2025) Multi-omics Analysis of Histone-related Genes in Osteosarcoma: A Multidimensional Integrated Study Revealing Drug Sensitivity and Immune

Microenvironment Characteristics. Technology in cancer research & treatment, 24, 15330338251336275.

Alam R, et al. (2025) Bone-Induced HER2 Promotes Secondary Metastasis in HR+/HER2- Breast Cancer. Cancer discovery, 15(4), 818.

Ma C, et al. (2025) Bioengineered immunocompetent preclinical trial-on-chip tool enables screening of CAR T cell therapy for leukaemia. Nature biomedical engineering.

Kaczmarek-Szczepa?ska B, et al. (2024) PVA-Based Films with Strontium Titanate Nanoparticles Dedicated to Wound Dressing Application. Polymers, 16(4).

Bartma?ski M, et al. (2024) The Effect of Marginal Zn2+ Excess Released from Titanium Coating on Differentiation of Human Osteoblastic Cells. ACS applied materials & interfaces, 16(36), 48412.

Hu X, et al. (2024) MTF2 facilitates the advancement of osteosarcoma through mediating EZH2/SFRP1/Wnt signaling. Journal of orthopaedic surgery and research, 19(1), 467.

Makurat-Kasprolewicz B, et al. (2024) Influence of Ultrasound on the Characteristics of CaP Coatings Generated Via the Micro-arc Oxidation Process in Relation to Biomedical Engineering. ACS biomaterials science & engineering, 10(4), 2100.

Zhang Y, et al. (2024) Circ_0002669 promotes osteosarcoma tumorigenesis through directly binding to MYCBP and sponging miR-889-3p. Biology direct, 19(1), 25.

Li X, et al. (2024) Identification of TNFRSF21 as an inhibitory factor of osteosarcoma based on a necroptosis-related prognostic gene signature and molecular experiments. Cancer cell international, 24(1), 14.

Wekwejt M, et al. (2024) Hyaluronic acid/tannic acid films for wound healing application. International journal of biological macromolecules, 254(Pt 3), 128101.

Lewis JW, et al. (2024) Therapeutic avenues in bone repair: Harnessing an anabolic osteopeptide, PEPITEM, to boost bone growth and prevent bone loss. Cell reports. Medicine, 5(5), 101574.

Finlay M, et al. (2023) A detailed methodology for a three-dimensional, self-structuring bone model that supports the differentiation of osteoblasts towards osteocytes and the production of a complex collagen-rich mineralised matrix. F1000Research, 12, 357.