Resource Summary Report

Generated by RRID on Aug 30, 2026

IEC-6

RRID:CVCL_0343
Type: Cell Line

Proper Citation

RRID:CVCL_0343

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0343

Proper Citation: RRID:CVCL_0343

Description: Cell line IEC-6 is a Finite cell line with a species of origin Rattus norvegicus (Rat)

Sex: Male

Defining Citation: PMID:88453, PMID:7681632, PMID:8552090, PMID:11925460, PMID:15463957

Comments: Senescence: Capable of at least 10 PDL.

Category: Finite cell line

Organism: Rattus norvegicus (Rat)

Name: IEC-6

Synonyms: IEC 6, IEC6, Intestinal Epithelioid Cell line No. 6

Cross References: BTO:BTO_0001497, CLO:CLO_0004342, CLO:CLO_0050826, MCCL:MCC:0000239, CLDB:cl1802, CLDB:cl1803, CLDB:cl5209, AddexBio:P0021001/81, ATCC:CRL-1592, BCRC:60301, BCRJ:0117, CCRID:1101RAT-PUMC000110, ChEMBL-Cells:CHEMBL4295425, ChEMBL-Targets:CHEMBL4296440, CLS:302149, DSMZ:ACC-111, DSMZCellDive:ACC-111, ECACC:88071401, IZSLER:BS CL 117, KCB:KCB 200720YJ, KCLB:21592, Lonza:980, PubChem_Cell_line:CVCL_0343, RCB:RCB0993, Wikidata:Q54897315

ID: CVCL_0343

Record Creation Time: 20220427T220630+0000

Record Last Update: 20260829T234312+0000

Ratings and Alerts

No rating or validation information has been found for IEC-6.

No alerts have been found for IEC-6.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 312 mentions in open access literature.

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

Liu M, et al. (2026) Medicago Sativa L. Saponin-Driven Lactobacillus Intestinalis Restores Intestinal Stemness in Naturally Aged Mice via the Bile Acid-FXR-Wnt Signaling Axis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(4), e15370.

Wang Y, et al. (2026) Safflower Polysaccharides Target FXR to Regulate Intestinal Flora and Metabolic Disorders, Affecting FGFR4/FGF15 to Improve Alcoholic Liver Fibrosis in Mice. Phytotherapy research : PTR, 40(6), 3094.

Pavan B, et al. (2026) A new microphysiological platform to study the permeation of neuroactive agents across intestinal and brain barriers. Biofabrication, 18(2).

Wang Y, et al. (2026) Monosodium glutamate-mediated Ca2+-dependent intestinal epithelial ion transports in health and IBS-D in male mice. Physiological reports, 14(11), e70975.

Shan W, et al. (2026) Lactoferrin protects against radiation-induced intestinal injury by regulating pyroptosis and mitophagy. Food & function.

Yu K, et al. (2026) Environmental Enrofloxacin Exposure as a Modifiable Driver of Mitochondria-Mediated Intestinal Aging and Barrier Dysfunction. Aging cell, 25(5), e70526.

Kumari N, et al. (2025) Reactive Oxygen Species-Responsive Polymeric Chloroquine Nanogel for Targeted Oral Therapy of Ulcerative Colitis. ACS applied materials & interfaces, 17(36), 50443.

Zeng X, et al. (2025) PPAR?? is a potential therapeutic target for radiation enteritis via suppressing ferroptosis, mediated by the GAPDH/glycosylation axis. British journal of pharmacology, 182(17), 3994.

Han Y, et al. (2025) Tissue geometry spatiotemporally drives bacterial infections. Cell, 188(13), 3459.

Gu A, et al. (2025) Coastal halophyte plant Atriplex maximowicziana with previously undescribed terpenoids and anti-colorectal cancer chlorophyll stereoisomers utilizing a

molecular networking approach. RSC advances, 15(53), 45573.

Li Q, et al. (2024) Discovery of antibacterial diketones against gram-positive bacteria. Cell chemical biology, 31(11), 1874.

Faiella M, et al. (2024) In Vitro Studies to Evaluate the Intestinal Permeation of an Ursodeoxycholic Acid-Conjugated Oligonucleotide for Duchenne Muscular Dystrophy Treatment. Pharmaceutics, 16(8).

Sun L, et al. (2024) The Efficacy of Cecropin Against Multidrug-Resistant Bacteria Is Linked to the Destabilization of Outer Membrane Structure LPS of Gram-Negative Bacteria. Probiotics and antimicrobial proteins.

D'Antongiovanni V, et al. (2024) Enteric glial NLRP3 inflammasome contributes to gut mucosal barrier alterations in a mouse model of diet-induced obesity. Acta physiologica (Oxford, England), e14232.

Yamini , et al. (2024) Novel pyrrolone-fused benzosuberene MK2 inhibitors: synthesis, pharmacophore modelling, molecular docking, and anti-cancer efficacy evaluation in HNSCC cells. Journal of biomolecular structure & dynamics, 42(21), 11954.

Gao C, et al. (2024) N-Acetylcysteine Alleviates Necrotizing Enterocolitis by Depressing SESN2 Expression to Inhibit Ferroptosis in Intestinal Epithelial Cells. Inflammation.

Bai Y, et al. (2024) Silibinin, a commonly used therapeutic agent for non-alcohol fatty liver disease, functions through upregulating intestinal expression of fibroblast growth factor 15/19. British journal of pharmacology, 181(19), 3663.

Ajala M, et al. (2023) The Potential Effect of Polysaccharides Extracted from Red Alga Gelidium spinosum against Intestinal Epithelial Cell Apoptosis. Pharmaceuticals (Basel, Switzerland), 16(3).

Zhao Q, et al. (2023) Bifidobacterium pseudocatenulatum-Mediated Bile Acid Metabolism to Prevent Rheumatoid Arthritis via the Gut-Joint Axis. Nutrients, 15(2).

Wang J, et al. (2023) In vitro knockdown of TsDNase II-7 suppresses Trichinella spiralis invasion into the host's intestinal epithelial cells. PLoS neglected tropical diseases, 17(6), e0011323.