

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

RIN-14B

RRID:CVCL_3583

Type: Cell Line

Proper Citation

RRID:CVCL_3583

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3583

Proper Citation: RRID:CVCL_3583

Description: Cell line RIN-14B is a Cancer cell line with a species of origin Rattus norvegicus (Rat)

Sex: Male

Disease: Rat insulinoma

Defining Citation: [PMID:1847683](#), [PMID:6141566](#), [PMID:6295859](#), [PMID:9271225](#)

Comments: Characteristics: Produces somatostatin and aromatic-L-amino-acid decarboxylase (DDC). Secretes insulin but at lower level than the parent cell line (PubMed=6141566; PubMed=6295859).

Category: Cancer cell line

Organism: Rattus norvegicus (Rat)

Name: RIN-14B

Synonyms: Rin-14B, RIN14B, Rin14B, RIN-m 14B, RIN-m clone 14B, 14B

Cross References: CLO:CLO_0008816, AddexBio:C0018020/5022, ATCC:CRL-2059, Wikidata:Q54950470

ID: CVCL_3583

Hierarchy: cvcl_3584

Record Creation Time: 20220427T221500+0000

Record Last Update: 20260829T235739+0000

Ratings and Alerts

No rating or validation information has been found for RIN-14B.

No alerts have been found for RIN-14B.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Li C, et al. (2025) Bacterial anti-toxin HigA dysregulates host intestinal serotonin homeostasis in a T6SS-dependent manner. Cell reports, 44(9), 116212.

Mottawea W, et al. (2025) Multi-level analysis of gut microbiome extracellular vesicles-host interaction reveals a connection to gut-brain axis signaling. Microbiology spectrum, 13(2), e0136824.

Leonardi SS, et al. (2025) Parasite-mediated alteration of behaviour and biomolecular dynamics in a mouse model. Frontiers in cellular and infection microbiology, 15, 1574660.

Mandi AD, et al. (2019) Clostridium ramosum regulates enterochromaffin cell development and serotonin release. Scientific reports, 9(1), 1177.