

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

CRISPRi Gen1C 5

RRID:CVCL_VM38

Type: Cell Line

Proper Citation

RRID:CVCL_VM38

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_VM38

Proper Citation: RRID:CVCL_VM38

Description: Cell line CRISPRi Gen1C 5 is a Induced pluripotent stem cell with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:26971820](#), [PMID:30290179](#)

Comments: Characteristics: Using TALEN a construct containing a rtTA+TRE3G promoter and dCas9-KRAB-P2A-mCherry is introduced in the AAVS1 safe harbor locus., Characteristics: Cell line with Dox-inducible CRISPR interference (CRISPRi)., Population: Japanese.

Category: Induced pluripotent stem cell

Organism: Homo sapiens (Human)

Name: CRISPRi Gen1C 5

Synonyms: WTC CRISPRi Gen1 clone 5, CRISPRi (Gen1C 5), 1C-5

Cross References: Wikidata:Q93458763

ID: CVCL_VM38

Hierarchy: cvcl_y803

Record Creation Time: 20220427T215523+0000

Record Last Update: 20260725T232435+0000

Ratings and Alerts

No rating or validation information has been found for CRISPRi Gen1C 5.

No alerts have been found for CRISPRi Gen1C 5.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Shen S, et al. (2025) Atlas of multilineage stem cell differentiation reveals TMEM88 as a developmental regulator of blood pressure. Nature communications, 16(1), 1356.

Sinniah E, et al. (2025) Conserved facultative heterochromatin across cell types identify regulatory sequences underpinning cell identity and disease. Nucleic acids research, 53(20).

Friedman CE, et al. (2024) HOPX-associated molecular programs control cardiomyocyte cell states underpinning cardiac structure and function. Developmental cell, 59(1), 91.

Voges HK, et al. (2023) Vascular cells improve functionality of human cardiac organoids. Cell reports, 42(5), 112322.

Sinniah E, et al. (2022) Temporal perturbation of histone deacetylase activity reveals a requirement for HDAC1-3 in mesendoderm cell differentiation. Cell reports, 39(7), 110818.

Shim WJ, et al. (2020) Conserved Epigenetic Regulatory Logic Infers Genes Governing Cell Identity. Cell systems, 11(6), 625.

Friedman CE, et al. (2018) Single-Cell Transcriptomic Analysis of Cardiac Differentiation from Human PSCs Reveals HOPX-Dependent Cardiomyocyte Maturation. Cell stem cell, 23(4), 586.