

Resource Summary Report

Generated by [RRID](#) on Sep 6, 2026

ES-R1

RRID:CVCL_2167

Type: Cell Line

Proper Citation

ECACC Cat# 07072001, RRID:CVCL_2167

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2167

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Description: Cell line ES-R1 is a Embryonic stem cell with a species of origin Mus musculus (Mouse)

Sex: Male

Defining Citation: [PMID:8378314](#), [PMID:9353641](#), [PMID:20512790](#), [PMID:25277546](#), [PMID:25894527](#)

Category: Embryonic stem cell

Organism: Mus musculus (Mouse)

Name: ES-R1

Synonyms: R1, R1 ES, R-1

Cross References: BTO:BTO_0004500, CLO:CLO_0008697, EFO:EFO_0002076, ATCC:SCRC-1011, CCRID:3101MOUSCSP223, ChEMBL-Cells:ChEMBL3307379, ChEMBL-Targets:ChEMBL614383, ECACC:07072001, ENCODE:ENCBS054ZRK, ENCODE:ENCBS388DNV, ENCODE:ENCBS398YOV, MMRRC:MMRRC:011978-UCD, PRIDE:PRD000194, PRIDE:PXD000589, PubChem_Cell_line:CVCL_2167, Wikidata:Q54832454

ID: CVCL_2167

Vendor: ECACC

Catalog Number: 07072001

Record Creation Time: 20220427T215835+0000

Ratings and Alerts

No rating or validation information has been found for ES-R1.

No alerts have been found for ES-R1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Zhu M, et al. (2026) Minimizing far-extending chromatin perturbation in genome editing preserves stem cell identity. *Cell stem cell*, 33(3), 470.

Ferguson R, et al. (2025) Functional variants of CFAP410 affect the DNA damage response leading to motor neuron degeneration - Implications for ALS. *iScience*, 28(9), 113338.

Luong C, et al. (2025) Genetic and chromatin regulation of Pvt1 monoallelic expression. *Cell reports*, 44(11), 116554.

Zijlmans DW, et al. (2025) PRC1 and PRC2 proximal interactome in mouse embryonic stem cells. *Cell reports*, 44(3), 115362.

Farag N, et al. (2024) Coordination between endoderm progression and mouse gastruloid elongation controls endodermal morphotype choice. *Developmental cell*, 59(17), 2364.

Krammer T, et al. (2024) Mouse neural tube organoids self-organize floorplate through BMP-mediated cluster competition. *Developmental cell*, 59(15), 1940.

Kozlowski C, et al. (2024) Retinal neurons establish mosaic patterning by excluding homotypic somata from their dendritic territories. *Cell reports*, 43(8), 114615.

Arekatla G, et al. (2023) Optogenetic manipulation identifies the roles of ERK and AKT dynamics in controlling mouse embryonic stem cell exit from pluripotency. *Developmental cell*, 58(12), 1022.

Fan W, et al. (2022) Using BODIPY FL-Sphingolipid Analogs to Study Sphingolipid Metabolism in Mouse Embryonic Stem Cells. *Bio-protocol*, 12(22).

Mamun MMA, et al. (2022) Stub1 maintains proteostasis of master transcription factors in embryonic stem cells. *Cell reports*, 39(10), 110919.

Thievensen I, et al. (2022) The focal adhesion protein α -parvin controls cardiomyocyte shape and sarcomere assembly in response to mechanical load. *Current biology : CB*, 32(14), 3033.

Ming X, et al. (2021) Simultaneously measuring the methylation of parent and daughter strands of replicated DNA at the single-molecule level by Hammer-seq. *Nature protocols*, 16(4), 2131.

Fittipaldi R, et al. (2021) The Lysine Methylase SMYD3 Modulates Mesendodermal Commitment during Development. *Cells*, 10(5).

Sun X, et al. (2021) CloneSeq - Single-cell clonal 3D culture and analysis protocol. *STAR protocols*, 2(4), 100794.

Liu X, et al. (2021) UHRF2 commissions the completion of DNA demethylation through allosteric activation by 5hmC and K33-linked ubiquitination of XRCC1. *Molecular cell*, 81(14), 2960.

Devoy A, et al. (2021) Generation and analysis of innovative genomically humanized knockin SOD1, TARDBP (TDP-43), and FUS mouse models. *iScience*, 24(12), 103463.

Le R, et al. (2021) Dcaf11 activates Zscan4-mediated alternative telomere lengthening in early embryos and embryonic stem cells. *Cell stem cell*, 28(4), 732.

Bavli D, et al. (2021) CloneSeq: A highly sensitive analysis platform for the characterization of 3D-cultured single-cell-derived clones. *Developmental cell*, 56(12), 1804.

Almenar-Queralt A, et al. (2019) Chromatin establishes an immature version of neuronal protocadherin selection during the naive-to-primed conversion of pluripotent stem cells. *Nature genetics*, 51(12), 1691.

Prowse TA, et al. (2019) A Y-chromosome shredding gene drive for controlling pest vertebrate populations. *eLife*, 8.