

Resource Summary Report

Generated by [dkNET](#) on Aug 1, 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 24 mentions in open access literature.

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

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.

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

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

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

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

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.

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.

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.

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.

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.

Du J, et al. (2019) Compression Generated by a 3D Supracellular Actomyosin Cortex Promotes Embryonic Stem Cell Colony Growth and Expression of Nanog and Oct4. *Cell systems*, 9(2), 214.

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