

Resource Summary Report

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EuMMCR

RRID:SCR_001506

Type: Tool

Proper Citation

EuMMCR (RRID:SCR_001506)

Resource Information

URL: <https://www.eummc.org/>

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Description: Embryonic stem cell distribution unit that distributes material arising within European Conditional Mouse Mutagenesis Program consortium, currently targeting vectors and ES cells. Upon user request EUCOMM grow targeting vectors from glycerol stocks and prepare vector DNA. Identity of vector is verified by restriction mapping. Upon user request EUCOMM thaw, expand and re-freeze several aliquots of desired ES cell clone. Standard controls include PCR based assay. Upon additional request EuMMCR unit develops genotyping PCR, which can be used to genotype chimeric mice that may be generated using those ES cell clones.

Abbreviations: EuMMCR

Synonyms: EuMMCR - European Mouse Mutant Cell Repository, European Mouse Mutant Cell Repository

Resource Type: cell repository, biomaterial supply resource, material resource

Keywords: embryonic stem cell, vector, experimental protocol, male, dna, genotype

Availability: Free, Freely available

Resource Name: EuMMCR

Resource ID: SCR_001506

Alternate IDs: nlx_152805

Alternate URLs: <http://www.eummc.org/>

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260728T043113+0000

Ratings and Alerts

No rating or validation information has been found for EuMMCR.

No alerts have been found for EuMMCR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Cluntun AA, et al. (2024) Direct mitochondrial import of lactate supports resilient carbohydrate oxidation. bioRxiv : the preprint server for biology.

Zhai S, et al. (2024) Ca²⁺-dependent phosphodiesterase 1 regulates the plasticity of striatal spiny projection neuron glutamatergic synapses. Cell reports, 43(8), 114540.

Neupane S, et al. (2024) Poglut2/3 double knockout in mice results in neonatal lethality with reduced levels of fibrillin in lung tissues. The Journal of biological chemistry, 300(7), 107445.

Bai X, et al. (2024) GRAF1 deficiency leads to defective brown adipose tissue differentiation and thermogenic response. Scientific reports, 14(1), 28692.

Kurth V, et al. (2023) Pathogenic A? production by heterozygous PSEN1 mutations is intrinsic to the mutant protein and not mediated by conformational hindrance of wild-type PSEN1. The Journal of biological chemistry, 299(8), 104997.

Tremblay MG, et al. (2022) Ribosomal DNA promoter recognition is determined in vivo by cooperation between UBTF1 and SL1 and is compromised in the UBTF-E210K neuroregression syndrome. PLoS genetics, 18(2), e1009644.

Mohamed FF, et al. (2022) The collagen receptor, discoidin domain receptor 2, functions in Gli1-positive skeletal progenitors and chondrocytes to control bone development. Bone research, 10(1), 11.

Combot Y, et al. (2022) Seipin localizes at endoplasmic-reticulum-mitochondria contact sites to control mitochondrial calcium import and metabolism in adipocytes. Cell reports, 38(2), 110213.

Chen T, et al. (2021) Cochlear supporting cells require GAS2 for cytoskeletal architecture and hearing. Developmental cell, 56(10), 1526.

Chang CF, et al. (2021) Centriolar Protein C2cd3 Is Required for Craniofacial Development. Frontiers in cell and developmental biology, 9, 647391.

Morrissey NA, et al. (2021) Absence of the mitochondrial translocator protein 18 kDa in mice does not affect body weight or food intake responses to altered energy availability. *Journal of neuroendocrinology*, 33(9), e13027.

Schnell A, et al. (2021) Stem-like intestinal Th17 cells give rise to pathogenic effector T cells during autoimmunity. *Cell*, 184(26), 6281.

Brown SDM, et al. (2020) Precision and Functional Genomics. *Mammalian genome : official journal of the International Mammalian Genome Society*, 31(1-2), 1.

Bagnoli JW, et al. (2018) Sensitive and powerful single-cell RNA sequencing using mcSCRB-seq. *Nature communications*, 9(1), 2937.

Khoja S, et al. (2018) Conditional disruption of hepatic carbamoyl phosphate synthetase 1 in mice results in hyperammonemia without orotic aciduria and can be corrected by liver-directed gene therapy. *Molecular genetics and metabolism*, 124(4), 243.

Sundberg JP, et al. (2017) Systematic screening for skin, hair, and nail abnormalities in a large-scale knockout mouse program. *PloS one*, 12(7), e0180682.

Schick JA, et al. (2016) CRISPR-Cas9 enables conditional mutagenesis of challenging loci. *Scientific reports*, 6, 32326.

Codner GF, et al. (2016) Aneuploidy screening of embryonic stem cell clones by metaphase karyotyping and droplet digital polymerase chain reaction. *BMC cell biology*, 17(1), 30.

Maeda K, et al. (2016) Identification of Meflin as a Potential Marker for Mesenchymal Stromal Cells. *Scientific reports*, 6, 22288.

Ring N, et al. (2015) A mouse informatics platform for phenotypic and translational discovery. *Mammalian genome : official journal of the International Mammalian Genome Society*, 26(9-10), 413.