

Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

Recombinase (cre) Activity

RRID:SCR_006585

Type: Tool

Proper Citation

Recombinase (cre) Activity (RRID:SCR_006585)

Resource Information

URL: <http://www.informatics.jax.org/home/recombinase>

Proper Citation: Recombinase (cre) Activity (RRID:SCR_006585)

Description: Curated data about all recombinase-containing transgenes and knock-ins developed in mice providing a comprehensive resource delineating known activity patterns and allows users to find relevant mouse resources for their studies.

Abbreviations: Recombinase Activity

Synonyms: Cre Portal

Resource Type: database, data or information resource

Keywords: cre, recombinase, transgene, knock-in, allele, expression, activity pattern, mutagenesis, promoter, driver, image, tissue, specificity assay

Funding: NCRR RR03 2656;
NICHD HD062499;
European Union HEALTH-F4-2009-223487

Resource Name: Recombinase (cre) Activity

Resource ID: SCR_006585

Alternate IDs: SCR_017520, nlx_152803

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

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260808T190359+0000

Ratings and Alerts

No rating or validation information has been found for Recombinase (cre) Activity.

No alerts have been found for Recombinase (cre) Activity.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Mah K, et al. (2025) Parental origin of transgene determines recombination efficiency in GFAP-creERT2 mice. bioRxiv : the preprint server for biology.

Ishida S, et al. (2025) Diverse Cre recombinase expression pattern in Albumin-Cre driver rats. Experimental animals, 74(3), 328.

Perry MN, et al. (2022) Annotated expression and activity data for murine recombinase alleles and transgenes: the CrePortal resource. Mammalian genome : official journal of the International Mammalian Genome Society, 33(1), 55.

Tian X, et al. (2021) Strategies for site-specific recombination with high efficiency and precise spatiotemporal resolution. The Journal of biological chemistry, 296, 100509.

Blake JA, et al. (2021) Mouse Genome Database (MGD): Knowledgebase for mouse-human comparative biology. Nucleic acids research, 49(D1), D981.

Koslowski S, et al. (2020) An Overview of In Vivo and In Vitro Models for Autosomal Dominant Polycystic Kidney Disease: A Journey from 3D-Cysts to Mini-Pigs. International journal of molecular sciences, 21(12).

Sundberg JP, et al. (2020) Keratinocyte-specific deletion of SHARPIN induces atopic dermatitis-like inflammation in mice. PloS one, 15(7), e0235295.

Korecki AJ, et al. (2019) Twenty-Seven Tamoxifen-Inducible iCre-Driver Mouse Strains for Eye and Brain, Including Seventeen Carrying a New Inducible-First Constitutive-Ready Allele. Genetics, 211(4), 1155.

Kim H, et al. (2018) Mouse Cre-LoxP system: general principles to determine tissue-specific roles of target genes. Laboratory animal research, 34(4), 147.

Smith CL, et al. (2018) Mouse Genome Database (MGD)-2018: knowledgebase for the laboratory mouse. Nucleic acids research, 46(D1), D836.

Eppig JT, et al. (2017) Mouse Genome Informatics (MGI) Resource: Genetic, Genomic, and Biological Knowledgebase for the Laboratory Mouse. ILAR journal, 58(1), 17.

Thunemann M, et al. (2017) Cre/lox-assisted non-invasive in vivo tracking of specific cell populations by positron emission tomography. *Nature communications*, 8(1), 444.

Baburamani AA, et al. (2017) Effect of Trp53 gene deficiency on brain injury after neonatal hypoxia-ischemia. *Oncotarget*, 8(7), 12081.

Smith CM, et al. (2015) GXD: a community resource of mouse Gene Expression Data. *Mammalian genome : official journal of the International Mammalian Genome Society*, 26(7-8), 314.

Hayamizu TF, et al. (2015) Mouse anatomy ontologies: enhancements and tools for exploring and integrating biomedical data. *Mammalian genome : official journal of the International Mammalian Genome Society*, 26(9-10), 422.

Bersten DC, et al. (2015) Inducible and reversible lentiviral and Recombination Mediated Cassette Exchange (RMCE) systems for controlling gene expression. *PloS one*, 10(3), e0116373.

Abram CL, et al. (2014) Comparative analysis of the efficiency and specificity of myeloid-Cre deleting strains using ROSA-EYFP reporter mice. *Journal of immunological methods*, 408, 89.

Blake JA, et al. (2014) The Mouse Genome Database: integration of and access to knowledge about the laboratory mouse. *Nucleic acids research*, 42(Database issue), D810.

Kobayashi Y, et al. (2013) Germline recombination by conditional gene targeting with Parvalbumin-Cre lines. *Frontiers in neural circuits*, 7, 168.

Heffner CS, et al. (2012) Supporting conditional mouse mutagenesis with a comprehensive cre characterization resource. *Nature communications*, 3, 1218.