

Resource Summary Report

Generated by [dkNET](#) on Sep 16, 2026

LE-*Fmr1*^{em2Mcwi}

RRID:RGD_11553873

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=11553873>

Proper Citation: RRID:RGD_11553873

Description: Rattus norvegicus with name LE-*Fmr1*^{em2Mcwi} from RGD.

Species: Rattus norvegicus

Notes: CRISPR/Cas9 system was used to introduce a mutation in the *Fmr1* gene of Crl:LE rat embryos. The resulting mutation is a 2-bp insertion in exon 8 of the *Fmr1* gene. [Autism Rat Model Resource](#), Contact MCW rat distribution at mcwcustomrats@mcw.edu

Catalog Number: 11553873

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals; Cryopreserved Sperm (as of 2021-11-03)

Alternate IDs: 11553873

Organism Name: LE-*Fmr1*^{em2Mcwi}

Record Creation Time: 20230509T191947+0000

Record Last Update: 20260912T202532+0000

Ratings and Alerts

No rating or validation information has been found for LE-*Fmr1*^{em2Mcwi}.

No alerts have been found for LE-*Fmr1*^{em2Mcwi}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Shukla A, et al. (2026) A Novel Cooperative Behavior Assay in Rats Reveals Distinct Social Coordination Strategies of Increasing Complexity and Social Reciprocity Deficits in a Model of Fragile X Syndrome. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(24).

Klibaite U, et al. (2025) Mapping the landscape of social behavior. Cell, 188(8), 2249.