

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

## C57BL/6-Lrrk2<sup>tm1.1Mjff</sup>/J

RRID:IMSR\_JAX:016121

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:016121

### Organism Information

**URL:** <https://www.jax.org/strain/016121>

**Proper Citation:** RRID:IMSR\_JAX:016121

**Description:** Mus musculus with name C57BL/6-Lrrk2<sup>tm1.1Mjff</sup>/J from IMSR.

**Species:** Mus musculus

**Synonyms:** C57BL/6N-Lrrk2/J. C57BL/6N-Lrrk2/J

**Notes:** gene symbol note: leucine-rich repeat kinase 2; coisogenic strain|mutant strain: Lrrk2

**Affected Gene:** leucine-rich repeat kinase 2

**Genomic Alteration:** targeted mutation 1.1; The Michael J Fox Foundation

**Catalog Number:** JAX:016121

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** C57BL/6-Lrrk2<sup>tm1.1Mjff</sup>/J

**Record Creation Time:** 20250513T053729+0000

**Record Last Update:** 20260725T044437+0000

### Ratings and Alerts

No rating or validation information has been found for C57BL/6-Lrrk2<sup>tm1.1Mjff</sup>/J.

No alerts have been found for C57BL/6-Lrrk2<sup>tm1.1Mjff/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Chen C, et al. (2025) Leucine-rich repeat kinase 2 impairs the release sites of Parkinson's disease vulnerable dopamine axons. bioRxiv : the preprint server for biology.

Yadavalli N, et al. (2023) LRRK2 suppresses lysosome degradative activity in macrophages and microglia through MiT-TFE transcription factor inhibition. Proceedings of the National Academy of Sciences of the United States of America, 120(31), e2303789120.

Sarkar S, et al. (2021) Oligomerization of Lrrk controls actin severing and ??-synuclein neurotoxicity in vivo. Molecular neurodegeneration, 16(1), 33.

Maset A, et al. (2021) Aberrant Patterns of Sensory-Evoked Activity in the Olfactory Bulb of LRRK2 Knockout Mice. Cells, 10(11).

Weindel CG, et al. (2020) LRRK2 maintains mitochondrial homeostasis and regulates innate immune responses to Mycobacterium tuberculosis. eLife, 9.