

Resource Summary Report

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C57BL/6J-Tg(LRRK2*G2019S)2AMjff/J

RRID:IMSR_JAX:018785

Type: Organism

Proper Citation

RRID:IMSR_JAX:018785

Organism Information

URL: <https://www.jax.org/strain/018785>

Proper Citation: RRID:IMSR_JAX:018785

Description: Mus musculus with name C57BL/6J-Tg(LRRK2*G2019S)2AMjff/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Tg(LRRK2*G2019S)2AMjff/MjffGrsrJ. C57BL/6J-Tg(LRRK2*G2019S)2AGrsr/GrsrJ

Notes: gene symbol note: leucine rich repeat kinase 2|transgene insertion 2A; The Michael J Fox Foundation; coisogenic strain|mutant strain: LRRK2|Tg(LRRK2*G2019S)2AMjff

Affected Gene: leucine rich repeat kinase 2|transgene insertion 2A; The Michael J Fox Foundation

Genomic Alteration: transgene insertion 2A; The Michael J Fox Foundation

Catalog Number: JAX:018785

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Tg(LRRK2*G2019S)2AMjff/J

Record Creation Time: 20250513T053738+0000

Record Last Update: 20260725T044447+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(LRRK2*G2019S)2AMjff/J.

No alerts have been found for C57BL/6J-Tg(LRRK2*G2019S)2AMjff/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Skiteva O, et al. (2023) Aberrant somatic calcium channel function in cNurr1 and LRRK2-G2019S mice. NPJ Parkinson's disease, 9(1), 56.

Yao N, et al. (2022) Age- and Sex-Dependent Behavioral and Neurochemical Alterations in hLRRK2-G2019S BAC Mice. Biomolecules, 13(1).

Sitzia G, et al. (2022) Neuronal Firing and Glutamatergic Synapses in the Substantia Nigra Pars Reticulata of LRRK2-G2019S Mice. Biomolecules, 12(11).

Skiteva O, et al. (2022) LRRK2-G2019S mice display alterations in glutamatergic synaptic transmission in midbrain dopamine neurons. Journal of neurochemistry, 161(2), 158.