Resource Summary Report

Generated by NIF on Aug 19, 2026

B6.Cg-Tg(SOD1*G37R)29Dpr/J

RRID:IMSR_JAX:008229
Type: Organism

Proper Citation

RRID:IMSR_JAX:008229

Organism Information

URL: https://www.jax.org/strain/008229

Proper Citation: RRID:IMSR_JAX:008229

Description: Mus musculus with name B6.Cg-Tg(SOD1*G37R)29Dpr/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 29; Donald L Price|superoxide dismutase 1; mutant strain|congenic strain: Tg(SOD1*G37R)29Dpr|SOD1

Affected Gene: transgene insertion 29; Donald L Price|superoxide dismutase 1

Genomic Alteration: transgene insertion 29; Donald L Price

Catalog Number: JAX:008229

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(SOD1*G37R)29Dpr/J

Record Creation Time: 20250513T053707+0000

Record Last Update: 20260815T050616+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(SOD1*G37R)29Dpr/J.

No alerts have been found for B6.Cg-Tg(SOD1*G37R)29Dpr/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Tremblay E, et al. (2026) Neuromuscular junction innervation and motor function are preserved by restoring muscarinic signaling in perisynaptic glia in ALS. iScience, 29(5), 115565.

Martin LJ, et al. (2022) Aberrant DNA and RNA Methylation Occur in Spinal Cord and Skeletal Muscle of Human SOD1 Mouse Models of ALS and in Human ALS: Targeting DNA Methylation Is Therapeutic. Cells, 11(21).

Martin LJ, et al. (2014) GNX-4728, a novel small molecule drug inhibitor of mitochondrial permeability transition, is therapeutic in a mouse model of amyotrophic lateral sclerosis. Frontiers in cellular neuroscience, 8, 433.

Zwiegers P, et al. (2014) Reduction in hSOD1 copy number significantly impacts ALS phenotype presentation in G37R (line 29) mice: implications for the assessment of putative therapeutic agents. Journal of negative results in biomedicine, 13, 14.

Wong M, et al. (2013) Mitochondrial DNMT3A and DNA methylation in skeletal muscle and CNS of transgenic mouse models of ALS. Frontiers in cellular neuroscience, 7, 279.