

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

B6.Cg-Mcoln1^{tm1Sasl}/J

RRID:IMSR_JAX:027110

Type: Organism

Proper Citation

RRID:IMSR_JAX:027110

Organism Information

URL: <https://www.jax.org/strain/027110>

Proper Citation: RRID:IMSR_JAX:027110

Description: Mus musculus with name B6.Cg-Mcoln1^{tm1Sasl}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: mucolipin 1; mutant strain|congenic strain: Mcoln1

Affected Gene: mucolipin 1

Genomic Alteration: targeted mutation 1; Susan A Slaughaupt

Catalog Number: JAX:027110

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Mcoln1^{tm1Sasl}/J

Record Creation Time: 20250513T053759+0000

Record Last Update: 20260829T045104+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Mcoln1^{tm1Sasl}/J.

No alerts have been found for B6.Cg-Mcoln1^{tm1Sasl}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Sangster M, et al. (2023) Brain cell type specific proteomics approach to discover pathological mechanisms in the childhood CNS disorder mucopolidosis type IV. Frontiers in molecular neuroscience, 16, 1215425.

Bhat OM, et al. (2020) Abnormal Lysosomal Positioning and Small Extracellular Vesicle Secretion in Arterial Stiffening and Calcification of Mice Lacking Mucolipin 1 Gene. International journal of molecular sciences, 21(5).