

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

## [Nhlrc1<sup>tm1\(KOMP\)Vl</sup>cg/Nhlrc1<sup>tm1\(KOMP\)Vl</sup>cg](#)

RRID:MGI:4839642

Type: Organism

### Proper Citation

RRID:MGI:4839642

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:4839642

**Description:** Allele Detail: Targeted This is a legacy resource.

**Species:** Mus musculus

**Notes:** Allele Detail: Targeted This is a legacy resource.

**Phenotype:** gliosis, increased skeletal muscle glycogen level, abnormal astrocyte morphology, abnormal brain morphology, increased skeletal muscle glycogen level, increased glycogen level, increased brain glycogen level, decreased anxiety-related response, enhanced long term potentiation, increased susceptibility to pharmacologically induced seizures, Lafora bodies, abnormal brain morphology, abnormal glial cell morphology, abnormal neuron morphology, Lafora bodies, hippocampal neuron degeneration, abnormal excitatory postsynaptic potential, hyperactivity, increased cardiac muscle glycogen level

**Affected Gene:** Nhlrc1

**Genomic Alteration:** tm1(KOMP)Vl

**Catalog Number:** 4839642

**Background:** involves: C57BL/6J \* C57BL/6NTac

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:21882344](#), [PMID:25059425](#), [PMID:20538597](#)

**Organism Name:** Nhlrc1<sup>tm1(KOMP)Vlcg</sup>/Nhlrc1<sup>tm1(KOMP)Vlcg</sup>

**Record Creation Time:** 20240120T190240+0000

**Record Last Update:** 20240130T201811+0000

---

## Ratings and Alerts

No rating or validation information has been found for Nhlrc1<sup>tm1(KOMP)Vlcg</sup>/Nhlrc1<sup>tm1(KOMP)Vlcg</sup>.

No alerts have been found for Nhlrc1<sup>tm1(KOMP)Vlcg</sup>/Nhlrc1<sup>tm1(KOMP)Vlcg</sup>.

---

## Data and Source Information

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

**Source Database:** MGI, Mouse Genome Informatics MGI

---

## Usage and Citation Metrics

We have not found any literature mentions for this resource.