

# Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

## C57BL/6N-Zfp106tm1a(KOMP)Wtsi/Mmucd

RRID:MMRRC\_050436-UCD

Type: Organism

### Proper Citation

RRID:MMRRC\_050436-UCD

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=50436](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=50436)

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**Description:** Mus musculus with name C57BL/6N-Zfp106tm1a(KOMP)Wtsi/Mmucd from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

**Phenotype:** kyphosis [MP:0000160] increased circulating calcium level [MP:0000194] tremors [MP:0000745] motor neuron degeneration [MP:0000938] abnormal spinal cord morphology [MP:0000955] small dorsal root ganglion [MP:0000964] small L4 dorsal root ganglion [MP:0001021] small L5 dorsal root ganglion [MP:0001024] decreased body weight [MP:0001262] weight loss [MP:0001263] hypoactivity [MP:0001402] impaired coordination [MP:0001405] abnormal gait [MP:0001406] limb grasping [MP:0001513] impaired limb coordination [MP:0001524] increased thermal nociceptive threshold [MP:0001973] premature death [MP:0002083] abnormal muscle physiology [MP:0002106] gliosis [MP:0002183] neurodegeneration [MP:0002229] chromatolysis [MP:0002883] abnormal soleus morphology [MP:0003081] abnormal gastrocnemius morphology [MP:0003082] abnormal redox activity [MP:0003186] astrogliosis [MP:0003354] abnormal muscle electrophysiology [MP:0004145] positive geotaxis [MP:0005356] abnormal axon morphology [MP:0005404] axon degeneration [MP:0005405] decreased mean corpuscular hemoglobin [MP:0005562] abnormal mitochondrial physiology [MP:0006036] abnormal lumbar dorsal root ganglion morphology [MP:0006404] microgliosis [MP:0008918] abnormal external male genitalia morphology [MP:0009199] increased variability of skeletal muscle fiber size [MP:0009403] centrally nucleated skeletal muscle fibers [MP:0009404] decreased skeletal muscle fiber number [MP:0009406] abnormal skeletal muscle fiber type ratio [MP:0009409] skeletal muscle fiber atrophy [MP:0009413] skeletal muscle atrophy [MP:0009417] skeletal muscle fibrosis [MP:0009419] decreased gastrocnemius weight [MP:0009422] decreased soleus

weight [MP:0009426]| decreased tibialis anterior weight [MP:0009428]| decreased grip strength [MP:0010053]| abnormal mitochondrial ATP synthesis coupled electron transport [MP:0010956]| increased spinal cord apoptosis [MP:0013182]

**Affected Gene:** Zfp106

**Catalog Number:** 050436-UCD

**Background:** Targeted Mutation

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:21677750](#)

**Alternate IDs:** MMRRC\_50436-UCD, MMRRC\_050436, MMRRC\_5436

**Organism Name:** C57BL/6N-Zfp106tm1a(KOMP)Wtsi/Mmucd

**Record Creation Time:** 20230308T055312+0000

**Record Last Update:** 20260725T164437+0000

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## Ratings and Alerts

No rating or validation information has been found for C57BL/6N-Zfp106tm1a(KOMP)Wtsi/Mmucd.

No alerts have been found for C57BL/6N-Zfp106tm1a(KOMP)Wtsi/Mmucd.

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## Data and Source Information

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

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.