

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

KOMP ES cell line *Zfp106tm1a(KOMP)Wtsi*

RRID:MMRRC_064985-UCD

Type: Organism

Proper Citation

RRID:MMRRC_064985-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=64985

Proper Citation: RRID:MMRRC_064985-UCD

Description: Mus musculus with name KOMP ES cell line *Zfp106tm1a(KOMP)Wtsi* 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: 064985-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_64985-UCD, MMRRC_064985, MMRRC_64985

Organism Name: KOMP ES cell line *Zfp106tm1a(KOMP)Wtsi*

Record Creation Time: 20230308T055457+0000

Record Last Update: 20260912T135609+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Zfp106tm1a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Zfp106tm1a(KOMP)Wtsi*.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.