

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 5, 2026

[Npc1^{m1N}/Npc1^{m1N}](#)

RRID:MGI:2386738

Type: Organism

Proper Citation

RRID:MGI:2386738

Organism Information

URL:

Proper Citation: RRID:MGI:2386738

Description: Allele Detail: Spontaneous This is a legacy resource.

Species: *Mus musculus*

Notes: Allele Detail: Spontaneous This is a legacy resource.

Phenotype: oligozoospermia, lipidosis, thick pulmonary interalveolar septum, abnormal alveolar lamellar body morphology, decreased body weight, abnormal type II pneumocyte morphology, abnormal surfactant composition, abnormal respiratory system physiology, abnormal phospholipid level, abnormal lung vasculature morphology, abnormal lung morphology, increased lung weight, increased cholesterol level, abnormal lipid level, lipidosis, abnormal alveolar macrophage morphology, increased circulating cholesterol level, enlarged alveolar lamellar bodies, abnormal adenohypophysis morphology, female infertility, lipidosis, pale liver, small ovary, thin endometrium, thin myometrium, thin uterus, uterus atrophy, adenohypophysis hypoplasia, decreased lactotroph cell number, increased circulating follicle stimulating hormone level, increased circulating luteinizing hormone level, decreased circulating prolactin level, decreased prolactin level, absent mature ovarian follicles, abnormal female reproductive system morphology, absent corpus luteum, abnormal secondary ovarian follicle morphology, abnormal ovary morphology, abnormal ovarian secretion, absent estrous cycle, anovulation, abnormal ovarian follicle morphology, abnormal granulosa cell morphology, decreased abdominal fat pad weight, decreased body size, decreased body weight, decreased endometrial gland number, decreased ovary weight, endometrium atrophy, enlarged liver, absent sperm head, abnormal sperm head morphology, arrest of spermatogenesis, absent sperm flagellum, pulmonary alveolar proteinosis, male infertility, impaired fertilization, impaired acrosome reaction, teratozoospermia, abnormal CNS glial cell morphology, seminiferous tubule degeneration, decreased Purkinje cell number, decreased corpus callosum size, abnormal Purkinje cell morphology, abnormal Golgi apparatus morphology, infertility, decreased

brain weight, weight loss, increased cholesterol level, small cerebellum, premature death, impaired coordination, decreased brain cholesterol level, increased lung weight, weight loss, decreased brain weight, decreased food intake, increased liver weight, enlarged spleen, abnormal motor capabilities/coordination/movement, Purkinje cell degeneration, abnormal cerebellum anterior vermis morphology, abnormal cerebellum posterior vermis morphology, decreased Purkinje cell number, premature death, decreased brain cholesterol level, abnormal neuron morphology, increased cholesterol level, abnormal myelination, abnormal cellular cholesterol metabolism, hepatic steatosis

Affected Gene: Npc1

Genomic Alteration: m1N

Catalog Number: 2386738

Background: involves: BALB/c

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15465426](#), [PMID:9950794](#), [PMID:11530237](#), [PMID:6257302](#), [PMID:16850391](#), [PMID:23843985](#), [PMID:18160655](#), [PMID:12528192](#), [PMID:15105438](#), [PMID:11138930](#), [PMID:15790756](#), [PMID:11984826](#)

Organism Name: Npc1^{m1N}/Npc1^{m1N}

Record Creation Time: 20240120T190747+0000

Record Last Update: 20240130T202107+0000

Ratings and Alerts

No rating or validation information has been found for Npc1^{m1N}/Npc1^{m1N}.

No alerts have been found for Npc1^{m1N}/Npc1^{m1N}.

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.