

# Resource Summary Report

Generated by [kravitz2](#) on Aug 11, 2026

## [Smpd1<sup>tm1Esc</sup>/Smpd1<sup>tm1Esc</sup>](#)

RRID:MGI:3028763

Type: Organism

### Proper Citation

RRID:MGI:3028763

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3028763

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

**Species:** Mus musculus

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

**Phenotype:** lethargy, increased susceptibility to bacterial infection, increased macrophage derived foam cell number, abnormal granulocyte physiology, immune system phenotype, abnormal apoptosis, Purkinje cell degeneration, cerebellum atrophy, ataxia, decreased body weight, increased circulating HDL cholesterol level, hunched posture, abnormal lipid homeostasis, decreased brain size, premature death, tremors, midbrain atrophy, impaired sperm capacitation, reproductive system phenotype, teratozoospermia, asthenozoospermia, abnormal male germ cell morphology

**Affected Gene:** Smpd1

**Genomic Alteration:** tm1Esc

**Catalog Number:** 3028763

**Background:** involves: 129S1/Sv \* C57BL/6J

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

**Database Abbreviation:** MGI

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

**Source References:** [PMID:12594290](#), [PMID:9382882](#), [PMID:12213735](#), [PMID:7670466](#), [PMID:8706124](#)

**Organism Name:** Smpd1<sup>tm1Esc</sup>/Smpd1<sup>tm1Esc</sup>

**Record Creation Time:** 20240120T190712+0000

**Record Last Update:** 20240130T202046+0000

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## Ratings and Alerts

No rating or validation information has been found for Smpd1<sup>tm1Esc</sup>/Smpd1<sup>tm1Esc</sup>.

No alerts have been found for Smpd1<sup>tm1Esc</sup>/Smpd1<sup>tm1Esc</sup>.

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## Data and Source Information

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

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.