

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

[Ret^{tm1Jmi}/Ret^{tm1Jmi}](#)

RRID:MGI:3623107

Type: Organism

Proper Citation

RRID:MGI:3623107

Organism Information

URL:

Proper Citation: RRID:MGI:3623107

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

Species: Mus musculus

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

Phenotype: increased neuron apoptosis, abnormal prevertebral ganglion morphology, abnormal sympathetic neuron morphology, abnormal sympathetic ganglion morphology, abnormal submandibular gland morphology, neonatal lethality, complete penetrance, increased cell proliferation, absent kidney, absent enteric neurons, small superior cervical ganglion, abnormal sympathetic postganglionic fiber morphology, abnormal innervation

Affected Gene: Ret

Genomic Alteration: tm1Jmi

Catalog Number: 3623107

Background: involves: 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11641220](#), [PMID:15242795](#)

Organism Name: Ret^{tm1Jmi}/Ret^{tm1Jmi}

Record Creation Time: 20240120T190559+0000

Record Last Update: 20240130T202005+0000

Ratings and Alerts

No rating or validation information has been found for Ret^{tm1Jmi}/Ret^{tm1Jmi}.

No alerts have been found for Ret^{tm1Jmi}/Ret^{tm1Jmi}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Avetisyan M, et al. (2018) Muscularis macrophage development in the absence of an enteric nervous system. Proceedings of the National Academy of Sciences of the United States of America, 115(18), 4696.

Schill EM, et al. (2016) Ibuprofen slows migration and inhibits bowel colonization by enteric nervous system precursors in zebrafish, chick and mouse. Developmental biology, 409(2), 473.