

Resource Summary Report

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

[Vti1a^{tm1Gfvm}/Vti1a^{tm1Gfvm}](#); [Vti1b^{tm1Gfvm}/Vti1b^{tm1Gfvm}](#)

RRID:MGI:4940039

Type: Organism

Proper Citation

RRID:MGI:4940039

Organism Information

URL:

Proper Citation: RRID:MGI:4940039

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

Species: Mus musculus

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

Phenotype: neurodegeneration, decreased corpus callosum size, decreased optic chiasm size, dorsal root ganglion degeneration, abnormal optic tract morphology, vestibular ganglion degeneration, abnormal innervation, increased neuron apoptosis, vestibular ganglion hypoplasia, abnormal sensory ganglion morphology, abnormal nervous system development, abnormal cranial ganglia morphology, small trigeminal ganglion, small petrosal ganglion, cellular phenotype, abnormal axon guidance, small geniculate ganglion, abnormal striatum morphology, enlarged brain ventricles, abnormal brain commissure morphology, abnormal axon extension, decreased brain size, abnormal superior cervical ganglion morphology, absent anterior commissure, absent hippocampal commissure, enlarged lateral ventricles, small nodose ganglion, perinatal lethality, complete penetrance

Affected Gene: Vti1b, Vti1a

Genomic Alteration: tm1Gfvm

Catalog Number: 4940039

Background: involves: 129P2/OlaHsd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21262811](#)

Organism Name: Vti1a^{tm1Gfvm}/Vti1a^{tm1Gfvm}; Vti1b^{tm1Gfvm}/Vti1b^{tm1Gfvm}

Record Creation Time: 20240120T190231+0000

Record Last Update: 20240130T201807+0000

Ratings and Alerts

No rating or validation information has been found for Vti1a^{tm1Gfvm}/Vti1a^{tm1Gfvm}; Vti1b^{tm1Gfvm}/Vti1b^{tm1Gfvm}.

No alerts have been found for Vti1a^{tm1Gfvm}/Vti1a^{tm1Gfvm}; Vti1b^{tm1Gfvm}/Vti1b^{tm1Gfvm}.

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.