

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

[St8sia4^{tm1.1Mifu}/St8sia4^{tm1.1Mifu}; St8sia2^{tm1Jxm}/St8sia2^{tm1Jxm}](#)

RRID:MGI:3762774

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3762774

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

Species: Mus musculus

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

Phenotype: abnormal rostral migratory stream morphology, abnormal CNS glial cell morphology, abnormal astrocyte morphology, abnormal cerebral cortex morphology, abnormal corpus callosum morphology, abnormal diencephalon morphology, abnormal lateral ventricle morphology, abnormal motor capabilities/coordination/movement, abnormal neuron differentiation, abnormal neuronal migration, abnormal postnatal subventricular zone morphology, decreased striatum area, abnormal brain interneuron morphology, decreased cerebral cortex pyramidal cell number, dilated lateral ventricles, ectopic cerebral cortex pyramidal cells, increased neuron apoptosis, loss of hippocampal neurons, postnatal lethality, complete penetrance, small cerebellum, small olfactory bulb, thin cerebral cortex, abnormal brain morphology, decreased body size

Affected Gene: St8sia2, St8sia4

Genomic Alteration: tm1.1Mifu, tm1Jxm

Catalog Number: 3762774

Background: involves: C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17682066](#)

Organism Name: St8sia4^{tm1.1Mifu}/St8sia4^{tm1.1Mifu}; St8sia2^{tm1Jxm}/St8sia2^{tm1Jxm}

Record Creation Time: 20240120T190456+0000

Record Last Update: 20240130T201928+0000

Ratings and Alerts

No rating or validation information has been found for St8sia4^{tm1.1Mifu}/St8sia4^{tm1.1Mifu}; St8sia2^{tm1Jxm}/St8sia2^{tm1Jxm}.

No alerts have been found for St8sia4^{tm1.1Mifu}/St8sia4^{tm1.1Mifu}; St8sia2^{tm1Jxm}/St8sia2^{tm1Jxm}.

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.