

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

[Stx1a^{tm1Tfuj}/Stx1a^{tm1Tfuj}; Stx1b^{tm1Tmis}/Stx1b^{tm1Tmis}](#)

RRID:MGI:5605505

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5605505

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

Species: Mus musculus

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

Phenotype: embryonic lethality, complete penetrance, abnormal inhibitory postsynaptic currents, abnormal miniature excitatory postsynaptic currents, decreased excitatory postsynaptic current amplitude, abnormal miniature inhibitory postsynaptic currents, abnormal synapse morphology

Affected Gene: Stx1b, Stx1a

Genomic Alteration: tm1Tmis, tm1Tfuj

Catalog Number: 5605505

Background: involves: C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:24587181](#)

Organism Name: Stx1a^{tm1Tfuj}/Stx1a^{tm1Tfuj}; Stx1b^{tm1Tmis}/Stx1b^{tm1Tmis}

Record Creation Time: 20240120T190038+0000

Record Last Update: 20240130T201701+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Stx1a}^{\text{tm1Tfuj}}/\text{Stx1a}^{\text{tm1Tfuj}}$; $\text{Stx1b}^{\text{tm1Tmis}}/\text{Stx1b}^{\text{tm1Tmis}}$.

No alerts have been found for $\text{Stx1a}^{\text{tm1Tfuj}}/\text{Stx1a}^{\text{tm1Tfuj}}$; $\text{Stx1b}^{\text{tm1Tmis}}/\text{Stx1b}^{\text{tm1Tmis}}$.

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.