

Resource Summary Report

Generated by [nidm-terms](#) on Aug 12, 2026

[Nrnxn2^{tm1Sud}/Nrnxn2^{tm1Sud}](#); [Nrnxn3^{tm1Sud}/Nrnxn3^{tm1Sud}](#); [Nrnxn1^{tm1Sud}/Nrnxn1^{tm1Sud}](#)

RRID:MGI:3043352

Type: Organism

Proper Citation

RRID:MGI:3043352

Organism Information

URL:

Proper Citation: RRID:MGI:3043352

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

Species: Mus musculus

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

Phenotype: decreased CNS synapse formation, abnormal GABA-mediated receptor currents, abnormal CNS synaptic transmission, decreased neurotransmitter release, respiratory distress, neonatal lethality, complete penetrance, abnormal synaptic depression, decreased excitatory postsynaptic current amplitude, reduced AMPA-mediated synaptic currents, abnormal paired-pulse inhibition, abnormal CNS synaptic transmission, reduced NMDA-mediated synaptic currents

Affected Gene: Nrnxn1, Nrnxn2, Nrnxn3

Genomic Alteration: tm1Sud

Catalog Number: 3043352

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12827191](#), [PMID:14983056](#)

Organism Name: Nr1h2^{tm1Sud}/Nr1h2^{tm1Sud}; Nr1h3^{tm1Sud}/Nr1h3^{tm1Sud}; Nr1h1^{tm1Sud}/Nr1h1^{tm1Sud}

Record Creation Time: 20240120T190659+0000

Record Last Update: 20240130T202039+0000

Ratings and Alerts

No rating or validation information has been found for Nr1h2^{tm1Sud}/Nr1h2^{tm1Sud}; Nr1h3^{tm1Sud}/Nr1h3^{tm1Sud}; Nr1h1^{tm1Sud}/Nr1h1^{tm1Sud}.

No alerts have been found for Nr1h2^{tm1Sud}/Nr1h2^{tm1Sud}; Nr1h3^{tm1Sud}/Nr1h3^{tm1Sud}; Nr1h1^{tm1Sud}/Nr1h1^{tm1Sud}.

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.