

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 2, 2026

[Nrnx2<sup>tm1Sud</sup>/Nrnx2<sup>tm1Sud</sup>](#); [Nrnx3<sup>tm1Sud</sup>/Nrnx3<sup>tm1Sud</sup>](#); [Nrnx1<sup>tm1Sud</sup>/Nrnx1<sup>tm1Sud</sup>](#)

RRID:MGI:3043352

Type: Organism

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## Proper Citation

RRID:MGI:3043352

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## 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:** Nrnx1, Nrnx2, Nrnx3

**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<sup>tm1Sud</sup>/Nr1h2<sup>tm1Sud</sup>; Nr1h3<sup>tm1Sud</sup>/Nr1h3<sup>tm1Sud</sup>; Nr1h1<sup>tm1Sud</sup>/Nr1h1<sup>tm1Sud</sup>

**Record Creation Time:** 20240120T190659+0000

**Record Last Update:** 20240130T202039+0000

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## Ratings and Alerts

No rating or validation information has been found for Nr1h2<sup>tm1Sud</sup>/Nr1h2<sup>tm1Sud</sup>; Nr1h3<sup>tm1Sud</sup>/Nr1h3<sup>tm1Sud</sup>; Nr1h1<sup>tm1Sud</sup>/Nr1h1<sup>tm1Sud</sup>.

No alerts have been found for Nr1h2<sup>tm1Sud</sup>/Nr1h2<sup>tm1Sud</sup>; Nr1h3<sup>tm1Sud</sup>/Nr1h3<sup>tm1Sud</sup>; Nr1h1<sup>tm1Sud</sup>/Nr1h1<sup>tm1Sud</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.