

Resource Summary Report

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

Tg(Penk-cre/-lacZ)1Mini; Ntrk2^{tm2Kln}/Ntrk2^{tm2Kln}

RRID:MGI:5532658

Type: Organism

Proper Citation

RRID:MGI:5532658

Organism Information

URL:

Proper Citation: RRID:MGI:5532658

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

Species: Mus musculus

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

Phenotype: enhanced behavioral response to cocaine, hyperactivity, induced hyperactivity, nervous system phenotype, abnormal gait, behavior/neurological phenotype

Affected Gene: Ntrk2

Genomic Alteration: Tg(Penk-cre, -lacZ)1Mini, tm2Kln

Catalog Number: 5532658

Background: involves: 129S2/SvPas

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:23774276](#)

Organism Name: Tg(Penk-cre/-lacZ)1Mini; Ntrk2^{tm2Kln}/Ntrk2^{tm2Kln}

Record Creation Time: 20240120T190059+0000

Record Last Update: 20240130T201714+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Penk-cre/-lacZ)1Mini; Ntrk2^{tm2Kln}/Ntrk2^{tm2Kln}.

No alerts have been found for Tg(Penk-cre/-lacZ)1Mini; Ntrk2^{tm2Kln}/Ntrk2^{tm2Kln}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Jing J, et al. (2023) Comprehensive analysis of cellular specializations that initiate parallel auditory processing pathways in mice. bioRxiv : the preprint server for biology.

Shin S, et al. (2023) Early adversity promotes binge-like eating habits by remodeling a leptin-responsive lateral hypothalamus-brainstem pathway. Nature neuroscience, 26(1), 79.

Norris AJ, et al. (2021) Parabrachial opioidergic projections to preoptic hypothalamus mediate behavioral and physiological thermal defenses. eLife, 10.