

Resource Summary Report

Generated by [NIF](#) on Aug 17, 2026

[Fyn^{tm1Yik}](#)/[Fyn^{tm1Yik}](#)

RRID:MGI:2175035

Type: Organism

Proper Citation

RRID:MGI:2175035

Organism Information

URL:

Proper Citation: RRID:MGI:2175035

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

Species: Mus musculus

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

Phenotype: increased susceptibility to experimental autoimmune uveoretinitis, enhanced behavioral response to alcohol, abnormal excitatory postsynaptic potential, small seminiferous tubules, increased sensitivity to xenobiotic induced morbidity/mortality, decreased testis weight, abnormal seminiferous tubule morphology, increased serotonin level, increased fear-related response, audiogenic seizures, oligozoospermia, abnormal maternal nurturing, abnormal interleukin secretion, increased fear-related response, abnormal myelination, increased dopamine level, abnormal pup retrieval, abnormal startle reflex, abnormal olfaction, abnormal olfactory bulb morphology, abnormal suckling behavior, abnormal hippocampus layer morphology, abnormal locomotor circadian rhythm, abnormal hypothalamus morphology, prolonged circadian behavior period, abnormal stratification in cerebral cortex, abnormal somatosensory cortex morphology, enhanced passive avoidance behavior, abnormal Sertoli cell barrier morphology, abnormal cytokine secretion, increased tumor necrosis factor secretion

Affected Gene: Fyn

Genomic Alteration: tm1Yik

Catalog Number: 2175035

Background: involves: C57BL/6 * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:9381182](#), [PMID:11834300](#), [PMID:7723633](#), [PMID:15902435](#), [PMID:10869499](#), [PMID:8264796](#), [PMID:11751285](#), [PMID:15073522](#), [PMID:7877449](#), [PMID:7509042](#), [PMID:15154672](#)

Organism Name: Fyn^{tm1Yik}/Fyn^{tm1Yik}

Record Creation Time: 20240120T190759+0000

Record Last Update: 20240130T202113+0000

Ratings and Alerts

No rating or validation information has been found for Fyn^{tm1Yik}/Fyn^{tm1Yik}.

No alerts have been found for Fyn^{tm1Yik}/Fyn^{tm1Yik}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Kawashima T, et al. (2021) Phosphorylation of Collapsin Response Mediator Protein 1 (CRMP1) at Tyrosine 504 residue regulates Semaphorin 3A-induced cortical dendritic growth. Journal of neurochemistry, 157(4), 1207.

Nakamura F, et al. (2017) Protein Tyrosine Phosphatase ?? Mediates the Sema3A-Induced Cortical Basal Dendritic Arborization through the Activation of Fyn Tyrosine Kinase. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(30), 7125.