Resource Summary Report

Generated by dkNET on Sep 6, 2026

Chrm4$^{tm2.1Jwe}$/Chrm4$^{tm2.1Jwe}$; Tg(Drd1a-cre)AGsc

RRID:MGI:4442324
Type: Organism

Proper Citation

RRID:MGI:4442324

Organism Information

URL:

Proper Citation: RRID:MGI:4442324

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

Species: Mus musculus

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

Phenotype: catalepsy, enhanced behavioral response to addictive substance, increased dopamine level, impaired behavioral response to xenobiotic, enhanced behavioral response to cocaine, enhanced behavioral response to xenobiotic, hyperactivity, abnormal neuron physiology

Affected Gene: Chrm4

Genomic Alteration: tm2.1Jwe, Tg(Drd1a-cre)AGsc

Catalog Number: 4442324

Background: involves: 129S6/SvEvTac * C57BL/6 * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: PMID:20147565

Organism Name: Chrm4$^{tm2.1Jwe}$/Chrm4$^{tm2.1Jwe}$; Tg(Drd1a-cre)AGsc

Record Creation Time: 20240120T190301+0000

Record Last Update: 20240130T201823+0000

Ratings and Alerts

No rating or validation information has been found for $Chrm4^{tm2.1Jwe}/Chrm4^{tm2.1Jwe}$; Tg(Drd1a-cre)AGsc.

No alerts have been found for $Chrm4^{tm2.1Jwe}/Chrm4^{tm2.1Jwe}$; Tg(Drd1a-cre)AGsc.

Data and Source Information

Source: Integrated Animals

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Moehle MS, et al. (2017) Cholinergic Projections to the Substantia Nigra Pars Reticulata Inhibit Dopamine Modulation of Basal Ganglia through the M4 Muscarinic Receptor. Neuron, 96(6), 1358.