

Resource Summary Report

Generated by [T1D](#) on Sep 16, 2026

[Kcnq1^{tm2Kpfe}/Kcnq1^{tm2Kpfe}](#)

RRID:MGI:3056757

Type: Organism

Proper Citation

RRID:MGI:3056757

Organism Information

URL:

Proper Citation: RRID:MGI:3056757

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

Species: Mus musculus

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

Phenotype: bidirectional circling, decreased body weight, abnormal membranous labyrinth morphology, syndromic hearing impairment, increased QRS amplitude, impaired coordination, cochlear outer hair cell degeneration, impaired swimming, prolonged QT interval, increased or absent threshold for auditory brainstem response, head bobbing, deafness, abnormal T wave, hyperactivity, absent distortion product otoacoustic emissions, absent pinna reflex, cochlear inner hair cell degeneration, collapsed Reissner membrane

Affected Gene: Kcnq1

Genomic Alteration: tm2Kpfe

Catalog Number: 3056757

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6 * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15498462](#)

Organism Name: Kcnq1^{tm2Kpfe}/Kcnq1^{tm2Kpfe}

Record Creation Time: 20240120T190648+0000

Record Last Update: 20240130T202128+0000

Ratings and Alerts

No rating or validation information has been found for Kcnq1^{tm2Kpfe}/Kcnq1^{tm2Kpfe}.

No alerts have been found for Kcnq1^{tm2Kpfe}/Kcnq1^{tm2Kpfe}.

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.