

Resource Summary Report

Generated by [dkNET](#) on Aug 1, 2026

[Kcnq1^{tm1Apf}/Kcnq1^{tm1Apf}](#)

RRID:MGI:3623773

Type: Organism

Proper Citation

RRID:MGI:3623773

Organism Information

URL:

Proper Citation: RRID:MGI:3623773

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

Species: Mus musculus

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

Phenotype: dilated gastric glands, small scala media, abnormal semicircular canal morphology, abnormal mucous neck cell morphology, abnormal gastric parietal cell morphology, abnormal gastric chief cell morphology, stomach mucosa hyperplasia, absent organ of Corti supporting cells, detached otolithic membrane, abnormal inner ear vestibule morphology, cardiovascular system phenotype, circling, collapsed Reissner membrane, enlarged stomach, increased circulating gastrin level, absent cochlear hair cells, circling, head bobbing, hyperactivity, head bobbing, collapsed Reissner membrane, small scala media, abnormal stria vascularis morphology, hyperactivity, increased stomach mucosa thickness, thin stria vascularis, organ of Corti degeneration, stereotypic behavior, organ of Corti degeneration, absent vestibular hair cells, absent vestibular hair cell stereocilia, utricular macular degeneration, abnormal otolith morphology, detached otolithic membrane, spinning, abnormal vestibular labyrinth morphology, increased or absent threshold for auditory brainstem response, absent cochlear hair cells, absent organ of Corti supporting cells, abnormal basilar membrane morphology, cochlear ganglion degeneration, abnormal tectorial membrane morphology, abnormal crista ampullaris morphology, deafness, increased stomach pH, hypochlorhydria

Affected Gene: Kcnq1

Genomic Alteration: tm1Apf

Catalog Number: 3623773

Background: involves: 129P2/OlaHsd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15891643](#), [PMID:11120752](#)

Organism Name: Kcnq1^{tm1Apf}/Kcnq1^{tm1Apf}

Record Creation Time: 20240120T190559+0000

Record Last Update: 20240130T202004+0000

Ratings and Alerts

No rating or validation information has been found for Kcnq1^{tm1Apf}/Kcnq1^{tm1Apf}.

No alerts have been found for Kcnq1^{tm1Apf}/Kcnq1^{tm1Apf}.

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.