

Resource Summary Report

Generated by [dkNET](#) on Aug 3, 2026

[Slc17a8^{tm1Edw}/Slc17a8^{tm1Edw}](#)

RRID:MGI:3777618

Type: Organism

Proper Citation

RRID:MGI:3777618

Organism Information

URL:

Proper Citation: RRID:MGI:3777618

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

Species: Mus musculus

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

Phenotype: absent startle reflex, cochlear ganglion degeneration, decreased synaptic glutamate release, sensorineural hearing loss, nonconvulsive seizures, abnormal inner hair cell synaptic ribbon morphology, abnormal brain wave pattern, increased or absent threshold for auditory brainstem response, deafness

Affected Gene: Slc17a8

Genomic Alteration: tm1Edw

Catalog Number: 3777618

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:18215623](#)

Organism Name: Slc17a8^{tm1Edw}/Slc17a8^{tm1Edw}

Record Creation Time: 20240120T190443+0000

Record Last Update: 20240130T201921+0000

Ratings and Alerts

No rating or validation information has been found for Slc17a8^{tm1Edw}/Slc17a8^{tm1Edw}.

No alerts have been found for Slc17a8^{tm1Edw}/Slc17a8^{tm1Edw}.

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](#) .

Sun S, et al. (2018) Hair Cell Mechanotransduction Regulates Spontaneous Activity and Spiral Ganglion Subtype Specification in the Auditory System. Cell, 174(5), 1247.