

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 14, 2026

## [Slc26a4<sup>tm1Egr</sup>/Slc26a4<sup>tm1Egr</sup>](#)

RRID:MGI:3697081

Type: Organism

### Proper Citation

RRID:MGI:3697081

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3697081

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

**Species:** Mus musculus

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

**Phenotype:** abnormal cochlear endolymph ionic homeostasis, thin spiral ligament, endocrine/exocrine gland phenotype, abnormal stria basal cell morphology, small scala tympani, thin stria vascularis, stria vascularis degeneration, organ of Corti degeneration, absent endocochlear potential, abnormal stria marginal cell morphology, abnormal stria intermediate cell morphology, sensorineural hearing loss, dilated endolymphatic duct, dilated cochlea, decreased endocochlear potential, deafness, abnormal calcium ion homeostasis, increased or absent threshold for auditory brainstem response, head tilt, enlarged otoliths, abnormal vestibular endolymph, abnormal calcium ion homeostasis, circling, abnormal vestibular endolymph ionic homeostasis, abnormal spiral limbus morphology, dilated scala media, type II spiral ligament fibrocyte degeneration, type I spiral ligament fibrocyte degeneration, distended Reissner membrane, absent endocochlear potential, abnormal stria intermediate cell morphology, thin spiral ligament, organ of Corti degeneration, abnormal stria basal cell morphology, cochlear hair cell degeneration, enlarged otoliths, abnormal stria marginal cell morphology, stria vascularis degeneration, endocrine/exocrine gland phenotype, nonsyndromic hearing loss

**Affected Gene:** Slc26a4

**Genomic Alteration:** tm1Egr

**Catalog Number:** 3697081

**Background:** involves: 129S6/SvEvTac

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:11152663](#), [PMID:14690057](#), [PMID:17299139](#), [PMID:17200157](#), [PMID:18562324](#), [PMID:15320950](#)

**Organism Name:** Slc26a4<sup>tm1Egr</sup>/Slc26a4<sup>tm1Egr</sup>

**Record Creation Time:** 20240120T190534+0000

**Record Last Update:** 20240130T201949+0000

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## Ratings and Alerts

No rating or validation information has been found for Slc26a4<sup>tm1Egr</sup>/Slc26a4<sup>tm1Egr</sup>.

No alerts have been found for Slc26a4<sup>tm1Egr</sup>/Slc26a4<sup>tm1Egr</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.