

# Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

[Idua<sup>tm1Efn</sup>/Idua<sup>tm1Efn</sup>](#)

RRID:MGI:2651485

Type: Organism

---

## Proper Citation

RRID:MGI:2651485

---

## Organism Information

**URL:**

**Proper Citation:** RRID:MGI:2651485

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

**Species:** *Mus musculus*

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

**Phenotype:** increased or absent threshold for auditory brainstem response, abnormal microglial cell physiology, abnormal microglial cell morphology, abnormal cerebellar cortex morphology, increased collagen deposition in the muscles, abnormal mitral valve morphology, abnormal heart electrocardiography waveform feature, prolonged QRS complex duration, abnormal heart ventricle morphology, abnormal endocardium morphology, prolonged P wave, deafness, cochlear ganglion degeneration, abnormal cardiac muscle relaxation, abnormal aortic valve morphology, mitral valve regurgitation, decreased heart rate variability, cochlear hair cell degeneration, spiral ligament degeneration, organ of Corti degeneration, abnormal lysosome morphology, decreased cardiac output, increased systemic arterial systolic blood pressure, abnormal aorta smooth muscle morphology, increased left ventricle weight, abnormal aorta elastic fiber morphology, abnormal inner ear morphology, increased susceptibility to otitis media, abnormal circadian temperature homeostasis, sensorineural hearing loss, abnormal avoidance learning behavior, decreased body temperature, abnormal QRS complex, enlarged heart, decreased ventricle muscle contractility, abnormal circadian regulation of heart rate, abnormal circadian behavior, aortic valve regurgitation, premature death, abnormal myocardium layer morphology, abnormal metabolism, abnormal heart left ventricle outflow tract morphology, thick interventricular septum, abnormal tricuspid valve morphology, thick ventricular wall, abnormal myocardial fiber morphology, abnormal foramen magnum morphology, abnormal mandibular condyloid process morphology, abnormal zygomatic arch morphology, abnormal cervical vertebrae morphology, abnormal external auditory canal morphology, abnormal basicranium morphology, abnormal

craniofacial morphology, abnormal incisor morphology, decreased vertical activity

**Affected Gene:** Idua

**Genomic Alteration:** tm1Efn

**Catalog Number:** 2651485

**Background:** involves: C57BL/6

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

**Database Abbreviation:** MGI

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

**Source References:** [PMID:17101178](#), [PMID:12576554](#), [PMID:15111796](#), [PMID:15979918](#), [PMID:16473336](#)

**Organism Name:** Idua<sup>tm1Efn</sup>/Idua<sup>tm1Efn</sup>

**Record Creation Time:** 20240120T190743+0000

**Record Last Update:** 20240130T202105+0000

---

## Ratings and Alerts

No rating or validation information has been found for Idua<sup>tm1Efn</sup>/Idua<sup>tm1Efn</sup>.

No alerts have been found for Idua<sup>tm1Efn</sup>/Idua<sup>tm1Efn</sup>.

---

## 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.