

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

[Otx1^{tm1Sia}/Otx1⁺](#); [Otx2^{tm1Sia}/Otx2⁺](#)

RRID:MGI:3579861

Type: Organism

Proper Citation

RRID:MGI:3579861

Organism Information

URL:

Proper Citation: RRID:MGI:3579861

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

Species: Mus musculus

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

Phenotype: abnormal metencephalon morphology, small thalamus, abnormal oculomotor nerve morphology, abnormal brain development, abnormal forebrain morphology, enlarged cerebellum, abnormal pretectal region morphology, small hippocampus, basisphenoid bone foramen, abnormal posterior commissure morphology, abnormal cartilage morphology, enlarged cerebellum, increased pons size, small thalamus, abnormal telencephalon morphology, abnormal midbrain-hindbrain boundary morphology, decreased midbrain size, abnormal rhombic lip morphology, abnormal cerebral aqueduct morphology, abnormal cerebral cortex morphology, abnormal diencephalon morphology, abnormal midbrain morphology, small hippocampus, abnormal hypothalamus morphology, abnormal inferior colliculus morphology, abnormal trigeminal V mesencephalic nucleus morphology, abnormal midbrain morphology, abnormal nervous system morphology, abnormal optic nerve morphology, abnormal cranium morphology, abnormal sphenoid bone morphology, abnormal mammillary body morphology, abnormal orbitosphenoid bone morphology, presphenoid bone hypoplasia, abnormal red nucleus morphology, abnormal oculomotor nucleus morphology, decreased substantia nigra size, abnormal superior colliculus morphology, abnormal tegmentum morphology, abnormal telencephalon morphology, abnormal trochlear nerve morphology, prenatal lethality, complete penetrance, small olfactory bulb, abnormal cerebral hemisphere morphology

Affected Gene: Otx1, Otx2

Genomic Alteration: tm1Sia

Catalog Number: 3579861

Background: involves: C57BL/6 * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:9077465](#), [PMID:9895322](#)

Organism Name: Otx1^{tm1Sia}/Otx1⁺; Otx2^{tm1Sia}/Otx2⁺

Record Creation Time: 20240120T190631+0000

Record Last Update: 20240130T202023+0000

Ratings and Alerts

No rating or validation information has been found for Otx1^{tm1Sia}/Otx1⁺; Otx2^{tm1Sia}/Otx2⁺ .

No alerts have been found for Otx1^{tm1Sia}/Otx1⁺; Otx2^{tm1Sia}/Otx2⁺.

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.