Resource Summary Report

Generated by dkNET on Sep 2, 2026

Tcof1^{tm1Mjd}/Tcof1^{+}

RRID:MGI:3029251
Type: Organism

Proper Citation

RRID:MGI:3029251

Organism Information

URL:

Proper Citation: RRID:MGI:3029251

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

Species: Mus musculus

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

Phenotype: abnormal dorsal root ganglion morphology, respiratory failure, absent glossopharyngeal nerve, zygomatic arch hypoplasia, abnormal medial nasal prominence morphology, abnormal lateral nasal prominence morphology, disorganized dorsal root ganglion, abnormal trigeminal nerve morphology, increased neural tube apoptosis, abnormal cranium morphology, absent parietal bone, absent interparietal bone, absent frontal bone, abnormal neurocranium morphology, abnormal zygomatic arch morphology, failure of palatal shelf elevation, open neural tube, abnormal craniofacial bone morphology, abnormal tympanic ring morphology, embryonic growth retardation, abnormal outer ear morphology, lowered ear position, cup-shaped ears, retrognathia, abnormal cranial ganglia morphology, delayed embryo turning, abnormal neural fold formation, absent optic vesicle, abnormal nasal capsule morphology, small otic vesicle, abnormal upper lip morphology, abnormal craniofacial development, small mandible, short mandible, abnormal maxillary prominence morphology, abnormal middle ear ossicle morphology, anophthalmia, absent nasal pit, middle ear ossicle hypoplasia, skeleton phenotype, vertebral fusion, first pharyngeal arch hypoplasia, tympanic ring hypoplasia, abnormal Rathke's pouch development, abnormal nasal septum morphology, exencephaly, abnormal digit morphology, abnormal cranial ganglia morphology, rib fusion, prenatal growth retardation, small trigeminal ganglion, mandible hypoplasia, abnormal forebrain morphology, abnormal craniofacial morphology, acrania, neonatal lethality, complete penetrance, frontonasal prominence hypoplasia, facial bone hypoplasia, exencephaly, anophthalmia, abnormal posture, abnormal neural crest cell migration, abnormal midbrain development, abnormal forebrain development, delayed neural tube closure

Affected Gene: Tcof1

Genomic Alteration: tm1Mjd

Catalog Number: 3029251

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: PMID:15042714, PMID:10888597

Organism Name: $Tcof1^{tm1Mjd}/Tcof1^{+}$

Record Creation Time: 20240120T190712+0000

Record Last Update: 20240130T202046+0000

Ratings and Alerts

No rating or validation information has been found for $Tcof1^{tm1Mjd}/Tcof1^{+}$.

No alerts have been found for $Tcof1^{tm1Mjd}/Tcof1^{+}$.

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.