

Resource Summary Report

Generated by [dkNET](#) on Aug 5, 2026

[Hoxa1^{tm3.1Mrc}/Hoxa1^{tm3.1Mrc}; Hoxb1^{tm3Mrc}/Hoxb1^{tm3Mrc}](#)

RRID:MGI:3773291

Type: Organism

Proper Citation

RRID:MGI:3773291

Organism Information

URL:

Proper Citation: RRID:MGI:3773291

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

Species: Mus musculus

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

Phenotype: abnormal neuron differentiation, absent second pharyngeal arch, small malleus, abnormal neural crest cell migration, absent zygomaticus muscle, absent stapes, abnormal rhombomere morphology, absent parathyroid glands, increased hindbrain apoptosis, absent second pharyngeal pouch, abnormal third pharyngeal pouch morphology, absent rhombomere 4, absent rhombomere 5, absent orbicularis oculi muscle, absent levator labii superioris muscle, absent facial muscle, small incus, abnormal stylohyoid muscle morphology, abnormal digastric posterior belly morphology, pulmonary hypoplasia, athymia

Affected Gene: Hoxa1, Hoxb1

Genomic Alteration: tm3.1Mrc, tm3Mrc

Catalog Number: 3773291

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10529420](#)

Organism Name: Hoxa1^{tm3.1Mrc}/Hoxa1^{tm3.1Mrc}; Hoxb1^{tm3Mrc}/Hoxb1^{tm3Mrc}

Record Creation Time: 20240120T190446+0000

Record Last Update: 20240130T201923+0000

Ratings and Alerts

No rating or validation information has been found for Hoxa1^{tm3.1Mrc}/Hoxa1^{tm3.1Mrc}; Hoxb1^{tm3Mrc}/Hoxb1^{tm3Mrc}.

No alerts have been found for Hoxa1^{tm3.1Mrc}/Hoxa1^{tm3.1Mrc}; Hoxb1^{tm3Mrc}/Hoxb1^{tm3Mrc}.

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](#) .

Loehlin DW, et al. (2010) Evolution of sex-specific wing shape at the widerwing locus in four species of *Nasonia*. *Heredity*, 104(3), 260.