

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

[Runx2^{tm1Mjo}/Runx2⁺; Zfp521^{tm2Ngc}/Zfp521⁺](#)

RRID:MGI:4887971

Type: Organism

Proper Citation

RRID:MGI:4887971

Organism Information

URL:

Proper Citation: RRID:MGI:4887971

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

Species: Mus musculus

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

Phenotype: decreased hyoid bone size, clavicle hypoplasia

Affected Gene: Runx2, Zfp521

Genomic Alteration: tm1Mjo, tm2Ngc

Catalog Number: 4887971

Background: Not Specified

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21173110](#)

Organism Name: Runx2^{tm1Mjo}/Runx2⁺; Zfp521^{tm2Ngc}/Zfp521⁺

Record Creation Time: 20240120T190233+0000

Record Last Update: 20240130T201808+0000

Ratings and Alerts

No rating or validation information has been found for Runx2^{tm1Mjo}/Runx2⁺; Zfp521^{tm2Ngc}/Zfp521⁺.

No alerts have been found for Runx2^{tm1Mjo}/Runx2⁺; Zfp521^{tm2Ngc}/Zfp521⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Kiviranta R, et al. (2013) Coordinated transcriptional regulation of bone homeostasis by Ebf1 and Zfp521 in both mesenchymal and hematopoietic lineages. The Journal of experimental medicine, 210(5), 969.

Hesse E, et al. (2010) Zfp521 controls bone mass by HDAC3-dependent attenuation of Runx2 activity. The Journal of cell biology, 191(7), 1271.