

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 7, 2026

[Itgb1^{tm2Son}/Itgb1^{tm2Son}](#)

RRID:MGI:3703917

Type: Organism

Proper Citation

RRID:MGI:3703917

Organism Information

URL:

Proper Citation: RRID:MGI:3703917

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

Species: Mus musculus

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

Phenotype: mandible hypoplasia, spina bifida, small first pharyngeal arch, abnormal neural tube morphology, wavy neural tube, abnormal limb morphology, anemia, kinked neural tube, abnormal brain morphology, micrognathia, embryonic lethality during organogenesis, incomplete penetrance, abnormal craniofacial morphology, hemorrhage, abnormal nervous system morphology, embryonic lethality during organogenesis, incomplete penetrance, decreased hindbrain size, abnormal facial morphology, abnormal eye distance/ position, abnormal digit development, increased embryonic neuroepithelium thickness, lethality throughout fetal growth and development, complete penetrance, abnormal left-right axis patterning, abnormal head morphology, abnormal cell adhesion, decreased fibroblast cell migration, abnormal first pharyngeal arch morphology, hemorrhage, small second pharyngeal arch, abnormal choroid plexus morphology

Affected Gene: Itgb1

Genomic Alteration: tm2Son

Catalog Number: 3703917

Background: either: 129P2/OlaHsd-Itgb1 or (involves: 129P2/OlaHsd * FVB)

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:9553049](#), [PMID:12620989](#)

Organism Name: Itgb1^{tm2Son}/Itgb1^{tm2Son}

Record Creation Time: 20240120T190526+0000

Record Last Update: 20240130T201945+0000

Ratings and Alerts

No rating or validation information has been found for Itgb1^{tm2Son}/Itgb1^{tm2Son}.

No alerts have been found for Itgb1^{tm2Son}/Itgb1^{tm2Son}.

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.