

# Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

[Itgb1<sup>tm2Son</sup>/Itgb1<sup>tm2Son</sup>](#)

RRID:MGI:3703917

Type: Organism

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## Proper Citation

RRID:MGI:3703917

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## 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<sup>tm2Son</sup>/Itgb1<sup>tm2Son</sup>

**Record Creation Time:** 20240120T190526+0000

**Record Last Update:** 20240130T201945+0000

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## Ratings and Alerts

No rating or validation information has been found for Itgb1<sup>tm2Son</sup>/Itgb1<sup>tm2Son</sup>.

No alerts have been found for Itgb1<sup>tm2Son</sup>/Itgb1<sup>tm2Son</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.