

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

B6.129P2-Thbs4^{tm1Dgen}/J

RRID:IMSR_JAX:005845

Type: Organism

Proper Citation

RRID:IMSR_JAX:005845

Organism Information

URL: <https://www.jax.org/strain/005845>

Proper Citation: RRID:IMSR_JAX:005845

Description: Mus musculus with name B6.129P2-Thbs4^{tm1Dgen}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: thrombospondin 4|beta-galactosidase; mutant strain|congenic strain: Thbs4|lacZ

Affected Gene: thrombospondin 4|beta-galactosidase

Genomic Alteration: targeted mutation 1; Deltagen

Catalog Number: JAX:005845

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2-Thbs4^{tm1Dgen}/J

Record Creation Time: 20250513T053653+0000

Record Last Update: 20260919T054842+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Thbs4^{tm1Dgen}/J.

No alerts have been found for B6.129P2-Thbs4^{tm1Dgen}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF β -Smad2/3-ATF4-dependent manner. Cell reports, 43(5), 114149.

Krawczyk KK, et al. (2016) Assessing the contribution of thrombospondin-4 induction and ATF6 β activation to endoplasmic reticulum expansion and phenotypic modulation in bladder outlet obstruction. Scientific reports, 6, 32449.

Vanhoutte D, et al. (2016) Thrombospondin expression in myofibers stabilizes muscle membranes. eLife, 5.

Kim DS, et al. (2012) Thrombospondin-4 contributes to spinal sensitization and neuropathic pain states. The Journal of neuroscience : the official journal of the Society for Neuroscience, 32(26), 8977.