

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

B6;129-Osmr^{tm1.1Nat/J}

RRID:IMSR_JAX:011081

Type: Organism

Proper Citation

RRID:IMSR_JAX:011081

Organism Information

URL: <https://www.jax.org/strain/011081>

Proper Citation: RRID:IMSR_JAX:011081

Description: Mus musculus with name B6;129-Osmr^{tm1.1Nat/J} from IMSR.

Species: Mus musculus

Synonyms: B6;129-Osmr/J

Notes: gene symbol note: oncostatin M receptor; mutant stock: Osmr

Affected Gene: oncostatin M receptor

Genomic Alteration: targeted mutation 1.1; Jeremy Nathans

Catalog Number: JAX:011081

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Osmr^{tm1.1Nat/J}

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260808T050924+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Osmr^{tm1.1Nat/J}.

No alerts have been found for B6;129-Osmr^{tm1.1Nat/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Domaniku-Waraich A, et al. (2024) Oncostatin M signaling drives cancer-associated skeletal muscle wasting. Cell reports. Medicine, 5(4), 101498.

Wang G, et al. (2024) Adipose-tissue Treg cells restrain differentiation of stromal adipocyte precursors to promote insulin sensitivity and metabolic homeostasis. Immunity, 57(6), 1345.

Münz S, et al. (2023) Oncostatin M is a regulator of fibroblast growth factor 23 (FGF23) in UMR106 osteoblast-like cells. Scientific reports, 13(1), 8420.

Abe H, et al. (2019) Macrophage hypoxia signaling regulates cardiac fibrosis via Oncostatin M. Nature communications, 10(1), 2824.

Wang ECE, et al. (2019) A Subset of TREM2+ Dermal Macrophages Secretes Oncostatin M to Maintain Hair Follicle Stem Cell Quiescence and Inhibit Hair Growth. Cell stem cell, 24(4), 654.