

Resource Summary Report

Generated by [T1D](#) on Sep 19, 2026

[Osmr^{tm1Mtan}](#)/[Osmr^{tm1Mtan}](#)

RRID:MGI:2680724

Type: Organism

Proper Citation

RRID:MGI:2680724

Organism Information

URL:

Proper Citation: RRID:MGI:2680724

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

Species: Mus musculus

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

Phenotype: abnormal megakaryocyte progenitor cell morphology, increased food intake, increased pancreatic beta cell number, increased liver weight, increased liver triglyceride level, increased liver cholesterol level, increased inflammatory response, increased circulating tumor necrosis factor level, increased circulating triglyceride level, increased circulating interleukin-10 level, hematopoietic system phenotype, decreased erythrocyte cell number, anemia, decreased hematocrit, decreased megakaryocyte cell number, abnormal erythroid progenitor cell morphology, thrombocytopenia, abnormal definitive hematopoiesis, abnormal common myeloid progenitor cell morphology, increased circulating free fatty acid level, decreased liver glycogen level, impaired glucose tolerance, increased circulating glucose level, increased circulating insulin level, increased circulating leptin level, increased epididymal fat pad weight, increased subcutaneous adipose tissue amount, increased susceptibility to diet-induced obesity, insulin resistance, hepatic steatosis, adipose tissue inflammation, increased circulating cholesterol level

Affected Gene: Osmr

Genomic Alteration: tm1Mtan

Catalog Number: 2680724

Background: B6.129S-Osmr

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:24695736](#), [PMID:12855584](#)

Organism Name: Osmr^{tm1Mtan}/Osmr^{tm1Mtan}

Record Creation Time: 20240120T190719+0000

Record Last Update: 20240130T202050+0000

Ratings and Alerts

No rating or validation information has been found for Osmr^{tm1Mtan}/Osmr^{tm1Mtan}.

No alerts have been found for Osmr^{tm1Mtan}/Osmr^{tm1Mtan}.

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.