

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

[Vcp^{tm1Itl}/Vcp⁺](#)

RRID:MGI:4849542

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4849542

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

Species: Mus musculus

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

Phenotype: increased osteoclast cell number, abnormal neuron morphology, abnormal osteoclast differentiation, abnormal skeletal muscle fiber morphology, seizures, tonic-clonic seizures, progressive muscle weakness, increased compact bone thickness, decreased bone mass, impaired coordination, decreased grip strength, centrally nucleated skeletal muscle fibers, behavior/neurological phenotype, myopathy, increased variability of skeletal muscle fiber size, abnormal autophagy, decreased trabecular bone connectivity density

Affected Gene: Vcp

Genomic Alteration: tm1Itl

Catalog Number: 4849542

Background: B6.129S-Vcp

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20957154](#)

Organism Name: Vcp^{tm1Itl}/Vcp⁺

Record Creation Time: 20240120T190237+0000

Record Last Update: 20240130T201810+0000

Ratings and Alerts

No rating or validation information has been found for Vcp^{tm1Itl}/Vcp⁺.

No alerts have been found for Vcp^{tm1Itl}/Vcp⁺.

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.