

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

SD-Mstn^{em1Cqin}

RRID:RGD_126925136

Type: Organism

Proper Citation

RRID:RGD_126925136

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=126925136>

Proper Citation: RRID:RGD_126925136

Description: Rattus norvegicus with name SD-Mstn^{em1Cqin} from RGD.

Species: Rattus norvegicus

Notes: ZFN constructs were designed to target the genomic region of rat Mstn exon 1. A ZFN construct engineered to target bp 277 to 281 of rat Mstn was used for the rat embryo injection. The # 6 founder was found to have sequence changed from GATCA to AGTC, resulting in a frame shift mutation within the open reading frame and generate an early termination codon, resulting in a truncated 109 amino acid peptide (wild type is 376). ZFN mutant founders were backcrossed to Spargue Dawley rats to get heterozygous offsprings which were intercrossed and offsprings maintained as homozygous and heterozygous breeders.

Catalog Number: 126925136

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 126925136

Organism Name: SD-Mstn^{em1Cqin}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193745+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Mstn*^{em1Cqin}.

No alerts have been found for SD-*Mstn*^{em1Cqin}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Mo G, et al. (2026) Ultrasound-activated piezoelectric Silk-PVDF hydrogel reprograms the osteoimmune microenvironment via NRF2 signaling for accelerated bone regeneration. Materials today. Bio, 37, 102779.

Habib CN, et al. (2022) The potential neuroprotective effect of diosmin in rotenone-induced model of Parkinson's disease in rats. European journal of pharmacology, 914, 174573.