

Resource Summary Report

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SHRSP-*Stim1*^{em1lzm}

RRID:RGD_39128170

Type: Organism

Proper Citation

RRID:RGD_39128170

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=39128170>

Proper Citation: RRID:RGD_39128170

Description: Rattus norvegicus with name SHRSP-*Stim1*^{em1lzm} from RGD.

Species: Rattus norvegicus

Notes: "This strain was generated by co-introducing fertilized eggs of SHRSP/lzm with the guide RNA/Cas9 nuclease expression plasmid and ssODN, which targets the Stim1 gene, at the Institute of Laboratory Animals, Graduate School of Medicine, Kyoto University. SHRSP/lzm strain has a nonsense mutation (c.1918C>T, p.Arg640X) in the Stim1 gene, but homologous recombination with the introduced ssODN replaces this mutation with a normal sequence. The sequence of the guide RNA target site is as follows, Stim1: 5'-GCAGGGTAGCTGAAACACAC-3' The sequence of the ssODN for homologous recombination is as follows, 5'-ATAGCCTTCTTGCCAGCCAAGTGGGGAATTCGTGTGTTTCGGCTACCCTGCAGGGCTCGGCTG 3'" [National BioResource Project for the Rat in Japan](#)

Catalog Number: 39128170

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2020-09-23)

Alternate IDs: 39128170

Organism Name: SHRSP-*Stim1*^{em1lzm}

Record Creation Time: 20230509T191950+0000

Record Last Update: 20260919T201851+0000

Ratings and Alerts

No rating or validation information has been found for SHRSP-*Stim1^{em1/zm}*.

No alerts have been found for SHRSP-*Stim1^{em1/zm}*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.