

Resource Summary Report

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WI-C1qI3^{em1Lian}

RRID:RGD_408364982

Type: Organism

Proper Citation

RRID:RGD_408364982

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=408364982>

Proper Citation: RRID:RGD_408364982

Description: Rattus norvegicus with name WI-C1qI3^{em1Lian} from RGD.

Species: Rattus norvegicus

Notes: The C1qI3 knout rats were established using CRISPR/cas9 method. The exon 1 of C1qI3 was targeted with two sgRNAs of (TCATC CTC ATC CCG GTG CTGG) and (AAGGT GCT GAC AAG AGG GAGG), which, respectively, targeted on the 5' end and the 3' end of exon 1. Wistar embryos born from Sprague Dawley pseudo-pregnant female were genotyped by polymerase chain reaction (PCR) with two upstream primers of (5'-TCCAAAAG CAG ACA AGA GGATC-3' and 5'-CTACTTCT TCA CCT ACC ACG TCCTG-3') and one downstream primer (5'-GGCTTCTG AAA CCT TAT ACA TTCTCG-3'). This mutant carried a 631-bp deletion resulting a premature stop at 61 bp of the open reading frame. National Human Disease Animal Model Resource Center, Beijing, China (https://namr.org.cn/Ldesc/1_1074)

Catalog Number: 408364982

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2024-11-08)

Alternate IDs: 408364982

Organism Name: WI-C1qI3^{em1Lian}

Record Creation Time: 20250225T002835+0000

Ratings and Alerts

No rating or validation information has been found for WI-C1qI3^{em1Lian}.

No alerts have been found for WI-C1qI3^{em1Lian}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Jin B, et al. (2025) The TNFR-RIPK1/RIPK3 signalling pathway mediates the effect of lanthanum on necroptosis of nerve cells. Open life sciences, 20(1), 20221027.

Xu Y, et al. (2025) Repeated Intrathecal Stem Cells Optimize Neuroplasticity and Motor Function in Moderate-to-Severe Cerebral Palsy of Rats. Stem cells international, 2025, 4337435.

Li BG, et al. (2019) Long noncoding RNA GAS5 silencing inhibits the expression of KCNQ3 by sponging miR-135a-5p to prevent the progression of epilepsy. The Kaohsiung journal of medical sciences, 35(9), 527.