

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

SD-Ube3a^{em1Jue}

RRID:RGD_126790464

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=126790464>

Proper Citation: RRID:RGD_126790464

Description: Rattus norvegicus with name SD-Ube3a^{em1Jue} from RGD.

Species: Rattus norvegicus

Notes: The CRISPR/Cas9 genome editing system was injected into fertilized Sprague-Dawley rat embryos and inserted into a surrogate. Two genomic RNAs (gRNAs) were designed to target the 5'-end of the Ube3a gene (upstream of the Ube3a coding sequence) and two gRNAs target sequences downstream of Ube3a. gRNA pairs were used on each end of the deletion to maximize the probability of a complete deletion of the 90-kb region encompassing the Ube3a gene. The 90 kb deletion in Ube3a was confirmed by genome sequencing. Only pups with maternal inheritance of the deletion carried traits for model of Angleman Syndrome.

Catalog Number: 126790464

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 126790464

Organism Name: SD-Ube3a^{em1Jue}

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260725T194309+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Ube3a*^{em1Jue}.

No alerts have been found for SD-*Ube3a*^{em1Jue}.

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.