

Resource Summary Report

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

SD-Ercc6^{em1Cgen}

RRID:RGD_126925978

Type: Organism

Proper Citation

RRID:RGD_126925978

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=126925978>

Proper Citation: RRID:RGD_126925978

Description: Rattus norvegicus with name SD-Ercc6^{em1Cgen} from RGD.

Species: Rattus norvegicus

Notes: The CRISPR/Cas9 system was designed to introduce an in-frame amino acid substitution (R571X. CGA > TGA). A silent mutation (ACC to ACG) was also introduced to prevent the binding and re-cutting of the sequence by gRNA after HDR. Founder animals harboring the expected single-nucleotide substitution were bred to produce heterozygous and homozygous rats. The heterozygous rats had phenotypes similar to the wild type littermates.

Catalog Number: 126925978

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 126925978

Organism Name: SD-Ercc6^{em1Cgen}

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260808T193748+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Ercc6*^{em1Cgen}.

No alerts have been found for SD-*Ercc6*^{em1Cgen}.

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.