

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

SD-Gnal^{em2Hpng}

RRID:RGD_626419677

Type: Organism

Proper Citation

RRID:RGD_626419677

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=626419677>

Proper Citation: RRID:RGD_626419677

Description: Rattus norvegicus with name SD-Gnal^{em2Hpng} from RGD.

Species: Rattus norvegicus

Notes: Gnal knockout rats were generated by CRISPR/Cas9 technology. Exon1 of rat Gnal splicing variant 2 was targeted, resulting in a deletion of 1 base pair that corresponds to position 44 downstream of the translation start point ATG of the Gnal splicing variant 2. CRISPR technology details: self-synthesized Cas9 mRNA using px 330 vector, applying T7 transcription kit followed by Poly-Adenylation and Capping. No sequencing performed, whether Cas9 has been inserted into the rat genome is unknown. Homozygous: Approximately 25% body weight reduction; Smaller body size; Hyperactivity; Better rotarod performance than wild-type littermates. Heterozygous: No body weight change; No body size change; Hypo-activity; Worse rotarod performance than wild-type littermates.

[European Mouse Mutant Archive\(EMMA\)](#)

Catalog Number: 626419677

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2025-09-05)

Alternate IDs: 626419677

Organism Name: SD-Gnal^{em2Hpng}

Record Creation Time: 20250910T064905+0000

Record Last Update: 20260905T135247+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Gna^{l^{em2Hpng}}*.

No alerts have been found for SD-*Gna^{l^{em2Hpng}}*.

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.