

# Resource Summary Report

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

## SD-Gnal<sup>em1Hpng+/-</sup>

RRID:RGD\_150429814

Type: Organism

---

### Proper Citation

RRID:RGD\_150429814

---

### Organism Information

**URL:** <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=150429814>

**Proper Citation:** RRID:RGD\_150429814

**Description:** Rattus norvegicus with name SD-Gnal<sup>em1Hpng+/-</sup> from RGD.

**Species:** Rattus norvegicus

**Notes:** The heterozygous Gnal mutant rats were created by CRISPR/Cas9. Guide RNA sequences targeting the first exon of the rat Gnal gene isoform 2 were designed. The mutated allele contained a 13- bp deletion in exon1 that corresponded to position 34 to 46 downstream of the translation start point ATG of the Gnal splicing variant 2 was detected resulting in an early stop at position 150 and producing a truncated protein with 50 amino acids . [European Mouse Mutant Archive\(EMMA\)](#)

**Catalog Number:** 150429814

**Background:** mutant

**Database:** Rat Genome Database (RGD)

**Database Abbreviation:** RGD

**Availability:** Cryopreserved Embryo (as of 2025-09-04)

**Alternate IDs:** 150429814

**Organism Name:** SD-Gnal<sup>em1Hpng+/-</sup>

**Record Creation Time:** 20230509T191951+0000

**Record Last Update:** 20260905T135243+0000

---

### Ratings and Alerts

No rating or validation information has been found for SD-*Gna<sup>em1Hpng+/-</sup>*.

No alerts have been found for SD-*Gna<sup>em1Hpng+/-</sup>*.

---

## 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.