

# Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

## BKS-Lepr<sup>em2Cd479</sup>Dock7/Gpt

RRID:IMSR\_GPT:T002407

Type: Organism

### Proper Citation

RRID:IMSR\_GPT:T002407

### Organism Information

**URL:** [https://en.gempharmatech.com/product/details100035\\_3908030.html](https://en.gempharmatech.com/product/details100035_3908030.html)

**Proper Citation:** RRID:IMSR\_GPT:T002407

**Description:** Mus musculus with name BKS-Lepr<sup>em2Cd479</sup>Dock7/Gpt from IMSR.

**Species:** Mus musculus

**Synonyms:** BKS.Cg-Dock7 Lepr/Gpt

**Notes:** gene symbol note: leptin receptor; coisogenic strain: Lepr;db

**Affected Gene:** leptin receptor

**Catalog Number:** GPT:T002407

**Database:** GemPharmatech

**Database Abbreviation:** GPT

**Availability:** embryo

**Organism Name:** BKS-Lepr<sup>em2Cd479</sup>Dock7/Gpt

**Record Creation Time:** 20250513T053927+0000

**Record Last Update:** 20260801T050634+0000

### Ratings and Alerts

No rating or validation information has been found for BKS-Lepr<sup>em2Cd479</sup>Dock7/Gpt.

No alerts have been found for BKS-Lepr<sup>em2Cd479</sup>Dock7/Gpt.

## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** GemPharmatech

## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#) .

Lu Z, et al. (2026) Gut glucose assimilation governs glucose homeostasis through reciprocal interaction between glucose and amino acid transporter. *Cell reports*, 45(4), 117104.

Wang JX, et al. (2024) Lactobacillus reuteri-Enriched Eicosatrienoic Acid Regulates Glucose Homeostasis by Promoting GLP-1 Secretion to Protect Intestinal Barrier Integrity. *Journal of agricultural and food chemistry*.

Shao M, et al. (2024) Canagliflozin regulates metabolic reprogramming in diabetic kidney disease by inducing fasting-like and aestivation-like metabolic patterns. *Diabetologia*, 67(4), 738.

Qu H, et al. (2024) Mitochondrial glycerol 3-phosphate dehydrogenase deficiency exacerbates lipotoxic cardiomyopathy. *iScience*, 27(6), 109796.

Yu F, et al. (2024) Pancreatic  $\beta$  cell interleukin-22 receptor subunit alpha 1 deficiency impairs  $\beta$  cell function in type 2 diabetes via cytochrome b5 reductase 3. *Cell reports*, 43(12), 115057.

Chen Q, et al. (2022) Ginsenoside Compound K Ameliorates Development of Diabetic Kidney Disease through Inhibiting TLR4 Activation Induced by Microbially Produced Imidazole Propionate. *International journal of molecular sciences*, 23(21).

Liu P, et al. (2021) Empagliflozin protects diabetic pancreatic tissue from damage by inhibiting the activation of the NLRP3/caspase-1/GSDMD pathway in pancreatic  $\beta$  cells: in vitro and in vivo studies. *Bioengineered*, 12(2), 9356.