

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

C57BL/6JGpt-Ptprc^{em1Cin(p.K302E)}/Gpt (Academic Research)

RRID:IMSR_GPT:T054816
Type: Organism

Proper Citation

RRID:IMSR_GPT:T054816

Organism Information

URL: https://en.gempharmatech.com/product/details100035_4031767.html

Proper Citation: RRID:IMSR_GPT:T054816

Description: Mus musculus with name C57BL/6JGpt-Ptprc^{em1Cin(p.K302E)}/Gpt (Academic Research) from IMSR.

Species: Mus musculus

Notes: gene symbol note: protein tyrosine phosphatase receptor type C; coisogenic strain: Ptprc

Affected Gene: protein tyrosine phosphatase receptor type C

Catalog Number: GPT:T054816

Database: GemPharmatech

Database Abbreviation: GPT

Availability: embryo

Organism Name: C57BL/6JGpt-Ptprc^{em1Cin(p.K302E)}/Gpt (Academic Research)

Record Creation Time: 20250513T054441+0000

Record Last Update: 20260919T055608+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6JGpt-Ptprc^{em1Cin(p.K302E)}/Gpt (Academic Research).

No alerts have been found for C57BL/6JGpt-Ptprc^{em1Cin(p.K302E)}/Gpt (Academic Research).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: GemPharmatech

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Wang JH, et al. (2026) Peritumoural adipose tissue drives immune evasion in colorectal cancer via adipose-mesenchymal transformation. *Nature cell biology*, 28(3), 581.

Pang J, et al. (2026) Law-NQO1 redox boosts the pentose phosphate pathway to confer stem-like properties and antitumor durability in effector CD8+ T cells. *Cell chemical biology*, 33(3), 321.

Shang X, et al. (2026) Dual PD-1/IL-2R?? targeting restores CD8+ T cell fitness via STAT5/CD47 axis in SMARCA4-deficient NSCLC. *Cell reports. Medicine*, 7(3), 102633.

Li X, et al. (2026) The TCR-SUB1-DOCK2 axis promotes autoimmunity by driving pathogenic CD4+ T cell tissue infiltration. *Immunity*, 59(1), 98.

Qian P, et al. (2026) Palmitic acid reprograms neutrophils to compromise vascular integrity and promote breast cancer lung metastasis. *Immunity*, 59(7), 1964.

Song J, et al. (2025) Protocol for establishment of parabiotic mouse models and validation by flow cytometric analysis of immune cells. *STAR protocols*, 7(1), 104268.

Xing Y, et al. (2025) Long-range deployment of tumor-antigen-specific cytotoxic T lymphocytes inhibits lung metastasis of breast cancer. *Developmental cell*.

Shan M, et al. (2025) Itaconate promotes inflammatory responses in tissue-resident alveolar macrophages and exacerbates acute lung injury. *Cell metabolism*, 37(8), 1750.

You Y, et al. (2024) Crystalline silica-induced recruitment and immuno-imbalance of CD4+ tissue resident memory T cells promote silicosis progression. *Communications biology*, 7(1), 971.

Huang F, et al. (2024) B cell subsets contribute to myocardial protection by inducing neutrophil apoptosis after ischemia and reperfusion. *JCI insight*, 9(4).