

# Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

## B6.129P2-Slc7a5<sup>tm1.1Daca</sup>/J

RRID:IMSR\_JAX:027252

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:027252

### Organism Information

**URL:** <https://www.jax.org/strain/027252>

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**Description:** Mus musculus with name B6.129P2-Slc7a5<sup>tm1.1Daca</sup>/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: solute carrier family 7 (cationic amino acid transporter; y+ system); member 5; mutant strain|congenic strain: Slc7a5

**Affected Gene:** solute carrier family 7 (cationic amino acid transporter; y+ system); member 5

**Genomic Alteration:** targeted mutation 1.1; Doreen A Cantrell

**Catalog Number:** JAX:027252

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6.129P2-Slc7a5<sup>tm1.1Daca</sup>/J

**Record Creation Time:** 20250513T053759+0000

**Record Last Update:** 20260919T054944+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129P2-Slc7a5<sup>tm1.1Daca</sup>/J.

No alerts have been found for B6.129P2-Slc7a5<sup>tm1.1Daca/J</sup>.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Lu C, et al. (2025) Slc7a5 promotes T cell anti-tumor immunity through sustaining cytotoxic T lymphocyte effector function. *Oncogene*.

Hodge SH, et al. (2023) Amino acid availability acts as a metabolic rheostat to determine the magnitude of ILC2 responses. *The Journal of experimental medicine*, 220(3).

Knaus LS, et al. (2023) Large neutral amino acid levels tune perinatal neuronal excitability and survival. *Cell*, 186(9), 1950.

Hagen CM, et al. (2022) Loss of LAT1 sex-dependently delays recovery after caerulein-induced acute pancreatitis. *World journal of gastroenterology*, 28(10), 1024.