

Resource Summary Report

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

B6.129P2-Slc7a5^{tm1.1Daca}/J

RRID:IMSR_JAX:027252

Type: Organism

Proper Citation

RRID:IMSR_JAX:027252

Organism Information

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

Proper Citation: RRID:IMSR_JAX:027252

Description: Mus musculus with name B6.129P2-Slc7a5^{tm1.1Daca}/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^{tm1.1Daca}/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^{tm1.1Daca}/J.

No alerts have been found for B6.129P2-Slc7a5^{tm1.1Daca/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

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.