

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

C3H/HeSnJ-Slc7a11^{sut}/J

RRID:IMSR_JAX:001310

Type: Organism

Proper Citation

RRID:IMSR_JAX:001310

Organism Information

URL: <https://www.jax.org/strain/001310>

Proper Citation: RRID:IMSR_JAX:001310

Description: Mus musculus with name C3H/HeSnJ-Slc7a11^{sut}/J from IMSR.

Species: Mus musculus

Synonyms: C3H/HeSnJ-sut/J

Notes: gene symbol note: solute carrier family 7 (cationic amino acid transporter; y+ system); member 11; coisogenic strain|mutant strain: Slc7a11

Affected Gene: solute carrier family 7 (cationic amino acid transporter; y+ system); member 11

Genomic Alteration: subtle gray

Catalog Number: JAX:001310

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: C3H/HeSnJ-Slc7a11^{sut}/J

Record Creation Time: 20250513T053625+0000

Record Last Update: 20260808T050827+0000

Ratings and Alerts

No rating or validation information has been found for C3H/HeSnJ-Slc7a11^{Sut}/J.

No alerts have been found for C3H/HeSnJ-Slc7a11^{Sut}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Sears SMS, et al. (2021) Hyperexcitability and brain morphological differences in mice lacking the cystine/glutamate antiporter, system xc. Journal of neuroscience research, 99(12), 3339.

Sosnoski HM, et al. (2020) Sexually dimorphic and brain region-specific transporter adaptations in system xc- null mice. Neurochemistry international, 141, 104888.