

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

B6.129(Cg)-Txnrd1^{tm1Ees}/J

RRID:IMSR_JAX:028283

Type: Organism

Proper Citation

RRID:IMSR_JAX:028283

Organism Information

URL: <https://www.jax.org/strain/028283>

Proper Citation: RRID:IMSR_JAX:028283

Description: Mus musculus with name B6.129(Cg)-Txnrd1^{tm1Ees}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: thioredoxin reductase 1; mutant strain|congenic strain: Txnrd1

Affected Gene: thioredoxin reductase 1

Genomic Alteration: targeted mutation 1; Edward E Schmidt

Catalog Number: JAX:028283

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129(Cg)-Txnrd1^{tm1Ees}/J

Record Creation Time: 20250513T053803+0000

Record Last Update: 20260912T060543+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Txnrd1^{tm1Ees}/J.

No alerts have been found for B6.129(Cg)-Txnrd1^{tm1Ees}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Wientjens C, et al. (2025) Tolerance to ferroptosis facilitates lipid metabolism and pathogenic type 2 immunity in allergic airway inflammation. Immunity.

Sherwood AM, et al. (2025) Distinct roles for the thioredoxin and glutathione antioxidant systems in Nrf2-Mediated lung tumor initiation and progression. Redox biology, 83, 103653.

Dóka É, et al. (2020) Control of protein function through oxidation and reduction of persulfidated states. Science advances, 6(1), eaax8358.