

# Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

## STOCK Trpm7<sup>tm1Clph/J</sup>

RRID:IMSR\_JAX:018784

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:018784

### Organism Information

**URL:** <https://www.jax.org/strain/018784>

**Proper Citation:** RRID:IMSR\_JAX:018784

**Description:** Mus musculus with name STOCK Trpm7<sup>tm1Clph/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: transient receptor potential cation channel; subfamily M; member 7; mutant stock: Trpm7

**Affected Gene:** transient receptor potential cation channel; subfamily M; member 7

**Genomic Alteration:** targeted mutation 1; David E Clapham

**Catalog Number:** JAX:018784

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** STOCK Trpm7<sup>tm1Clph/J</sup>

**Record Creation Time:** 20250513T053738+0000

**Record Last Update:** 20260829T045039+0000

### Ratings and Alerts

No rating or validation information has been found for STOCK Trpm7<sup>tm1Clph/J</sup>.

No alerts have been found for STOCK Trpm7<sup>tm1Clph/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 3 mentions in open access literature.

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

Jiang ZJ, et al. (2021) TRPM7 is critical for short-term synaptic depression by regulating synaptic vesicle endocytosis. eLife, 10.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Chubanov V, et al. (2016) Epithelial magnesium transport by TRPM6 is essential for prenatal development and adult survival. eLife, 5.