

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

B6.129S4-Mcpt8^{tm1}(cre)Lky/J

RRID:IMSR_JAX:017578

Type: Organism

Proper Citation

RRID:IMSR_JAX:017578

Organism Information

URL: <https://www.jax.org/strain/017578>

Proper Citation: RRID:IMSR_JAX:017578

Description: Mus musculus with name B6.129S4-Mcpt8^{tm1}(cre)Lky/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Mcpt8/J

Notes: gene symbol note: mast cell protease 8|; mutant strain|congenic strain: Mcpt8|

Affected Gene: mast cell protease 8|

Genomic Alteration: targeted mutation 1; Richard M Locksley

Catalog Number: JAX:017578

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4-Mcpt8^{tm1}(cre)Lky/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260905T044516+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Mcpt8^{tm1}(cre)Lky/J.

No alerts have been found for B6.129S4-Mcpt8^{tm1}(cre)Lky/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 [NIF](#) .

Das M, et al. (2025) *S. aureus* exposure during cutaneous antigen sensitization causes basophil- and interleukin-4-dependent exaggerated food anaphylaxis. *Immunity*.

Wang F, et al. (2021) A basophil-neuronal axis promotes itch. *Cell*, 184(2), 422.