

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

B6;129P2-Omp^{tm3Mom}/MomJ

RRID:IMSR_JAX:006667

Type: Organism

Proper Citation

RRID:IMSR_JAX:006667

Organism Information

URL: <https://www.jax.org/strain/006667>

Proper Citation: RRID:IMSR_JAX:006667

Description: Mus musculus with name B6;129P2-Omp^{tm3Mom}/MomJ from IMSR.

Species: Mus musculus

Synonyms: OMP-GFP

Notes: gene symbol note: |olfactory marker protein; mutant stock: |Omp

Affected Gene: |olfactory marker protein

Genomic Alteration: targeted mutation 3; Peter Mombaerts

Catalog Number: JAX:006667

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129P2-Omp^{tm3Mom}/MomJ

Record Creation Time: 20250513T053658+0000

Record Last Update: 20260905T044441+0000

Ratings and Alerts

No rating or validation information has been found for B6;129P2-Omp^{tm3Mom}/MomJ.

No alerts have been found for B6;129P2-Omp^{tm3Mom}/MomJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Brechbühl J, et al. (2025) Environmental stress promotes the persistence of juvenile traits in olfactory neurons as a protective mechanism. *iScience*, 28(8), 113078.

Fujimoto S, et al. (2023) Activity-dependent local protection and lateral inhibition control synaptic competition in developing mitral cells in mice. *Developmental cell*, 58(14), 1221.

Nishijima H, et al. (2022) Rapid fluorescent vital imaging of olfactory epithelium. *iScience*, 25(5), 104222.

Tsukahara T, et al. (2021) A transcriptional rheostat couples past activity to future sensory responses. *Cell*, 184(26), 6326.

Barnes IHA, et al. (2020) Expert curation of the human and mouse olfactory receptor gene repertoires identifies conserved coding regions split across two exons. *BMC genomics*, 21(1), 196.

Kang CW, et al. (2018) Olfactory marker protein regulates prolactin secretion and production by modulating Ca²⁺ and TRH signaling in lactotrophs. *Experimental & molecular medicine*, 50(4), 1.

Silvotti L, et al. (2018) In-vivo activation of vomeronasal neurons shows adaptive responses to pheromonal stimuli. *Scientific reports*, 8(1), 8490.

Murai A, et al. (2016) Distorted Coarse Axon Targeting and Reduced Dendrite Connectivity Underlie Dysosmia after Olfactory Axon Injury. *eNeuro*, 3(5).

Saraiva LR, et al. (2015) Hierarchical deconstruction of mouse olfactory sensory neurons: from whole mucosa to single-cell RNA-seq. *Scientific reports*, 5, 18178.

Frenz CT, et al. (2014) NaV1.5 sodium channel window currents contribute to spontaneous firing in olfactory sensory neurons. *Journal of neurophysiology*, 112(5), 1091.