

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6;D2-Tg(Omp-GCaMP3)1Dlc/J

RRID:IMSR_JAX:031780

Type: Organism

Proper Citation

RRID:IMSR_JAX:031780

Organism Information

URL: <https://www.jax.org/strain/031780>

Proper Citation: RRID:IMSR_JAX:031780

Description: Mus musculus with name B6;D2-Tg(Omp-GCaMP3)1Dlc/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |olfactory marker protein|transgene insertion 1; Catherine Dulac; mutant stock: |Omp|Tg(Omp-GCaMP3)1Dlc

Affected Gene: |olfactory marker protein|transgene insertion 1; Catherine Dulac

Genomic Alteration: transgene insertion 1; Catherine Dulac

Catalog Number: JAX:031780

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;D2-Tg(Omp-GCaMP3)1Dlc/J

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260919T055008+0000

Ratings and Alerts

No rating or validation information has been found for B6;D2-Tg(Omp-GCaMP3)1Dlc/J.

No alerts have been found for B6;D2-Tg(Omp-GCaMP3)1Dlc/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 [Kravitz](#) .

Storace DA, et al. (2021) The Mammalian Olfactory Bulb Contributes to the Adaptation of Odor Responses: A Second Perceptual Computation Carried Out by the Bulb. eNeuro, 8(5).

Storace DA, et al. (2019) Using Genetically Encoded Voltage Indicators (GEVIs) to Study the Input-Output Transformation of the Mammalian Olfactory Bulb. Frontiers in cellular neuroscience, 13, 342.

Wienisch M, et al. (2016) Population imaging at subcellular resolution supports specific and local inhibition by granule cells in the olfactory bulb. Scientific reports, 6, 29308.