Resource Summary Report

Generated by dkNET on Sep 9, 2026

STOCK Tg(Rac3-EGFP)JZ58Gsat/Mmucd

RRID:MMRRC_031853-UCD
Type: Organism

Proper Citation

RRID:MMRRC_031853-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=31853

Proper Citation: RRID:MMRRC_031853-UCD

Description: Mus musculus with name STOCK Tg(Rac3-EGFP)JZ58Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: EGFP|Rac3|

Catalog Number: 031853-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:14586460

Alternate IDs: MMRRC_31853-UCD, MMRRC_031853, MMRRC_31853

Organism Name: STOCK Tg(Rac3-EGFP)JZ58Gsat/Mmucd

Record Creation Time: 20230308T055125+0000

Record Last Update: 20260905T110847+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Rac3-EGFP)JZ58Gsat/Mmucd.

No alerts have been found for STOCK Tg(Rac3-EGFP)JZ58Gsat/Mmucd.

Data and Source Information

Source: Integrated Animals

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Lux UT, et al. (2025) A Mouse Photoreceptor Proteome Resource Identifies PALS2/MPP6 as a Novel Pan-Cone Photoreceptor Marker. Investigative ophthalmology & visual science, 66(15), 44.

Lux UT, et al. (2024) Light-dependent regulation of neurotransmitter release from rod photoreceptor ribbon synapses involves an interplay of Complexin 4 and Transducin with the SNARE complex. Frontiers in molecular neuroscience, 17, 1308466.

Davison A, et al. (2022) Synaptic vesicle release during ribbon synapse formation of cone photoreceptors. Frontiers in cellular neuroscience, 16, 1022419.

Barro-Soria R, et al. (2019) Angiotensin-Receptor-Associated Protein Modulates Ca2+ Signals in Photoreceptor and Mossy Fiber cells. Scientific reports, 9(1), 19622.

L??hner M, et al. (2017) Analysis of RIM Expression and Function at Mouse Photoreceptor Ribbon Synapses. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(33), 7848.

Fuchs M, et al. (2014) Evidence for a Clathrin-independent mode of endocytosis at a continuously active sensory synapse. Frontiers in cellular neuroscience, 8, 60.

Regus-Leidig H, et al. (2013) Identification and immunocytochemical characterization of Piccolino, a novel Piccolo splice variant selectively expressed at sensory ribbon synapses of the eye and ear. PloS one, 8(8), e70373.