Resource Summary Report

Generated by dkNET on Sep 4, 2026

B6;FVB-Tg(Trhr-EGFP)HU193Gsat/Mmucd

RRID:MMRRC_030036-UCD
Type: Organism

Proper Citation

RRID:MMRRC_030036-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30036

Proper Citation: RRID:MMRRC_030036-UCD

Description: Mus musculus with name B6;FVB-Tg(Trhr-EGFP)HU193Gsat/Mmucd from MMRRC.

Species: Mus musculus

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

Affected Gene: Trhr|EGFP|

Catalog Number: 030036-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:14586460

Alternate IDs: MMRRC_30036-UCD, MMRRC_030036, MMRRC_336

Organism Name: B6;FVB-Tg(Trhr-EGFP)HU193Gsat/Mmucd

Record Creation Time: 20230308T055118+0000

Record Last Update: 20260829T123316+0000

Ratings and Alerts

No rating or validation information has been found for B6;FVB-Tg(Trhr-EGFP)HU193Gsat/Mmucd.

No alerts have been found for B6;FVB-Tg(Trhr-EGFP)HU193Gsat/Mmucd.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

deRosenroll G, et al. (2026) Uncovering the "hidden" synaptic microarchitecture of the retinal direction selective circuit. Cell reports, 45(2), 116833.

Tworig JM, et al. (2024) Differential Expression Analysis Identifies Candidate Synaptogenic Molecules for Wiring Direction-Selective Circuits in the Retina. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(18).

Hanson L, et al. (2023) Hierarchical retinal computations rely on hybrid chemical-electrical signaling. Cell reports, 42(2), 112030.

Summers MT, et al. (2022) Distinct inhibitory pathways control velocity and directional tuning in the mouse retina. Current biology : CB, 32(10), 2130.

Sethuramanujam S, et al. (2021) Rapid multi-directed cholinergic transmission in the central nervous system. Nature communications, 12(1), 1374.

Ezra-Tsur E, et al. (2021) Realistic retinal modeling unravels the differential role of excitation and inhibition to starburst amacrine cells in direction selectivity. PLoS computational biology, 17(12), e1009754.

Su J, et al. (2021) A cell-ECM mechanism for connecting the ipsilateral eye to the brain. Proceedings of the National Academy of Sciences of the United States of America, 118(42).

Jain V, et al. (2020) The functional organization of excitation and inhibition in the dendrites of mouse direction-selective ganglion cells. eLife, 9.

Ankri L, et al. (2020) Antagonistic Center-Surround Mechanisms for Direction Selectivity in the Retina. Cell reports, 31(5), 107608.

Daniel S, et al. (2019) Effect of ocular hypertension on the pattern of retinal ganglion cell subtype loss in a mouse model of early-onset glaucoma. Experimental eye research, 185, 107703.

Hanson L, et al. (2019) Retinal direction selectivity in the absence of asymmetric starburst amacrine cell responses. eLife, 8.

Daniel S, et al. (2018) Subtype-specific response of retinal ganglion cells to optic nerve crush. Cell death discovery, 4, 7.

Marques T, et al. (2018) A Role for Mouse Primary Visual Cortex in Motion Perception. Current biology : CB, 28(11), 1703.

Sabbah S, et al. (2017) A retinal code for motion along the gravitational and body axes. Nature, 546(7659), 492.

Dvoryanchikov G, et al. (2017) Transcriptomes and neurotransmitter profiles of classes of gustatory and somatosensory neurons in the geniculate ganglion. Nature communications, 8(1), 760.

Sethuramanujam S, et al. (2017) "Silent" NMDA Synapses Enhance Motion Sensitivity in a Mature Retinal Circuit. Neuron, 96(5), 1099.

Rosa JM, et al. (2016) Contributions of Rod and Cone Pathways to Retinal Direction Selectivity Through Development. The Journal of neuroscience : the official journal of the Society for Neuroscience, 36(37), 9683.

Osterhout JA, et al. (2014) Birthdate and outgrowth timing predict cellular mechanisms of axon target matching in the developing visual pathway. Cell reports, 8(4), 1006.

Rivlin-Etzion M, et al. (2012) Visual stimulation reverses the directional preference of direction-selective retinal ganglion cells. Neuron, 76(3), 518.

Rivlin-Etzion M, et al. (2011) Transgenic mice reveal unexpected diversity of on-off direction-selective retinal ganglion cell subtypes and brain structures involved in motion processing. The Journal of neuroscience : the official journal of the Society for Neuroscience, 31(24), 8760.