

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 14, 2025

STOCK Tg(Htr3a-EGFP)DH30Gsat/Mmnc

RRID:MMRRC_000273-UNC

Type: Organism

Proper Citation

RRID:MMRRC_000273-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=273

Proper Citation: RRID:MMRRC_000273-UNC

Description: Mus musculus with name STOCK Tg(Htr3a-EGFP)DH30Gsat/Mmnc from MMRRC.

Species: Mus musculus

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

Affected Gene: Htr3a|EGFP|

Catalog Number: 000273-UNC

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_273-UNC, MMRRC_000273, MMRRC_273

Organism Name: STOCK Tg(Htr3a-EGFP)DH30Gsat/Mmnc

Record Creation Time: 20230308T054751+0000

Record Last Update: 20240105T001141+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Htr3a-EGFP)DH30Gsat/Mmnc.

No alerts have been found for STOCK Tg(Htr3a-EGFP)DH30Gsat/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Iannone AF, et al. (2024) The chemokine Cxcl14 regulates interneuron differentiation in layer I of the somatosensory cortex. Cell reports, 43(8), 114531.

Machold R, et al. (2024) Genetic approaches to elucidating cortical and hippocampal GABAergic interneuron diversity. Frontiers in cellular neuroscience, 18, 1414955.

Touhara KK, et al. (2024) Crypt and Villus Enterochromaffin Cells are Distinct Stress Sensors in the Gut. bioRxiv : the preprint server for biology.

Jiang SN, et al. (2023) Sncg, Mybpc1, and Parm1 Classify subpopulations of VIP-expressing interneurons in layers 2/3 of the somatosensory cortex. Cerebral cortex (New York, N.Y. : 1991), 33(8), 4293.

Martinetti LE, et al. (2022) Short-Term Facilitation of Long-Range Corticocortical Synapses Revealed by Selective Optical Stimulation. Cerebral cortex (New York, N.Y. : 1991), 32(9), 1932.

Kameneva P, et al. (2022) Serotonin limits generation of chromaffin cells during adrenal organ development. Nature communications, 13(1), 2901.

Cao JW, et al. (2022) Correlation Analysis of Molecularly-Defined Cortical Interneuron Populations with Morpho-Electric Properties in Layer V of Mouse Neocortex. Neuroscience bulletin.

Limoni G, et al. (2021) PlexinA4-Semaphorin3A-mediated crosstalk between main cortical interneuron classes is required for superficial interneuron lamination. Cell reports, 34(4), 108644.

Naskar S, et al. (2021) Cell-type-specific recruitment of GABAergic interneurons in the primary somatosensory cortex by long-range inputs. *Cell reports*, 34(8), 108774.

Ohata K, et al. (2021) Cochlear protection against noise exposure requires serotonin type 3A receptor via the medial olivocochlear system. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(5), e21486.

Larson ED, et al. (2020) Function, Innervation, and Neurotransmitter Signaling in Mice Lacking Type-II Taste Cells. *eNeuro*, 7(1).

Hoffman BU, et al. (2018) Merkel Cells Activate Sensory Neural Pathways through Adrenergic Synapses. *Neuron*, 100(6), 1401.

Graydon CW, et al. (2018) Synaptic Transfer between Rod and Cone Pathways Mediated by All Amacrine Cells in the Mouse Retina. *Current biology : CB*, 28(17), 2739.

Muñoz-Manchado AB, et al. (2018) Diversity of Interneurons in the Dorsal Striatum Revealed by Single-Cell RNA Sequencing and PatchSeq. *Cell reports*, 24(8), 2179.

Niquille M, et al. (2018) Neurogliaform cortical interneurons derive from cells in the preoptic area. *eLife*, 7.

Ritter KE, et al. (2017) Serotonin Receptor 5-HT3A Affects Development of Bladder Innervation and Urinary Bladder Function. *Frontiers in neuroscience*, 11, 690.

Bhattarai Y, et al. (2017) Human-derived gut microbiota modulates colonic secretion in mice by regulating 5-HT3 receptor expression via acetate production. *American journal of physiology. Gastrointestinal and liver physiology*, 313(1), G80.

Crandall SR, et al. (2017) Infrabarrels Are Layer 6 Circuit Modules in the Barrel Cortex that Link Long-Range Inputs and Outputs. *Cell reports*, 21(11), 3065.

Guan W, et al. (2017) Eye opening differentially modulates inhibitory synaptic transmission in the developing visual cortex. *eLife*, 6.

Chittajallu R, et al. (2017) Afferent specific role of NMDA receptors for the circuit integration of hippocampal neurogliaform cells. *Nature communications*, 8(1), 152.