

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

STOCK *Plxna4*^{*tm1Matl*}/Mmmh

RRID:MMRRC_030407-MU

Type: Organism

Proper Citation

RRID:MMRRC_030407-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30407

Proper Citation: RRID:MMRRC_030407-MU

Description: Mus musculus with name STOCK *Plxna4*^{*tm1Matl*}/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased sensory neuron number [MP:0000966] abnormal sensory neuron innervation pattern [MP:0000968] abnormal trochlear nerve morphology [MP:0001063] abnormal trigeminal nerve morphology [MP:0001065] abnormal axon guidance [MP:0002961] abnormal amacrine cell morphology [MP:0005240] abnormal retinal ganglion cell morphology [MP:0008056] decreased anterior commissure size [MP:0008226] abnormal neurite morphology [MP:0008415]

Affected Gene: *Plxna4*

Catalog Number: 030407-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15721238](#)

Alternate IDs: MMRRC_30407-MU, MMRRC_030407, MMRRC_347

Organism Name: STOCK *Plxna4*^{*tm1Matl*}/Mmmh

Record Creation Time: 20230308T055119+0000

Record Last Update: 20260801T124210+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Plxna4^{tm1Matl}/Mmmh*.

No alerts have been found for STOCK *Plxna4^{tm1Matl}/Mmmh*.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Poltavski DM, et al. (2019) Venous endothelin modulates responsiveness of cardiac sympathetic axons to arterial semaphorin. eLife, 8.