Resource Summary Report

Generated by PRECISE-TBI on Jul 30, 2026

C57BL/6N-A^{tm1Brd} Ptprd/WtsiOrl

RRID:IMSR_EM:11805
Type: Organism

Proper Citation

RRID:IMSR_EM:11805

Organism Information

URL: https://www.infrafrontier.eu/emma/strain-details/?q=11805

Proper Citation: RRID:IMSR_EM:11805

Description: Mus musculus with name C57BL/6N-A^{tm1Brd} Ptprd/WtsiOrl from IMSR.

Species: Mus musculus

Notes: gene symbol note: protein tyrosine phosphatase receptor type D; mutant strain: Ptprd

Affected Gene: protein tyrosine phosphatase receptor type D

Genomic Alteration: targeted mutation 2a; Wellcome Trust Sanger Institute

Catalog Number: EM:11805

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: sperm

Alternate IDs: IMSR_EM:06697

Organism Name: C57BL/6N-A^{tm1Brd} Ptprd/WtsiOrl

Record Creation Time: 20250513T062308+0000

Record Last Update: 20260725T053038+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-A^{tm1Brd} Ptprd/WtsiOrl.

No alerts have been found for C57BL/6N-A^{tm1Brd} Ptprd/WtsiOrl.

Data and Source Information

Source: Integrated Animals

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Emperador-Melero J, et al. (2024) Distinct active zone protein machineries mediate Ca2+ channel clustering and vesicle priming at hippocampal synapses. Nature neuroscience, 27(9), 1680.

Sclip A, et al. (2023) Combinatorial expression of neurexins and LAR-type phosphotyrosine phosphatase receptors instructs assembly of a cerebellar circuit. Nature communications, 14(1), 4976.

Emperador-Melero J, et al. (2023) Molecular definition of distinct active zone protein machineries for Ca2+ channel clustering and synaptic vesicle priming. bioRxiv : the preprint server for biology.

Emperador-Melero J, et al. (2021) Intact synapse structure and function after combined knockout of PTP?, PTP?, and LAR. eLife, 10.

Sclip A, et al. (2020) LAR receptor phospho-tyrosine phosphatases regulate NMDA-receptor responses. eLife, 9.

Tomita H, et al. (2020) The Protein Tyrosine Phosphatase Receptor Delta Regulates Developmental Neurogenesis. Cell reports, 30(1), 215.

Farhy-Tselnicker I, et al. (2017) Astrocyte-Secreted Glypican 4 Regulates Release of Neuronal Pentraxin 1 from Axons to Induce Functional Synapse Formation. Neuron, 96(2), 428.