Resource Summary Report

Generated by RRID on Sep 8, 2026

Oli-neu

RRID:CVCL_IZ82
Type: Cell Line

Proper Citation

Millipore Cat# SCC261, RRID:CVCL_IZ82

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_IZ82

Proper Citation: Millipore Cat# SCC261, RRID:CVCL_IZ82

Description: Cell line Oli-neu is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Defining Citation: PMID:7582098, PMID:18439243, PMID:21472765, PMID:23825458, PMID:26658258

Comments: Characteristics: Can be induced to differentiate after application of dibutyryl cAMP.

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: Oli-neu

Synonyms: Olineu, OliNeu, OLIneu

Cross References: GEO:GSE10291, Millipore:SCC261, Wikidata:Q54931995

ID: CVCL_IZ82

Vendor: Millipore

Catalog Number: SCC261

Record Creation Time: 20250130T072551+0000

Record Last Update: 20260905T184103+0000

Ratings and Alerts

No rating or validation information has been found for Oli-neu.

No alerts have been found for Oli-neu.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Zhang Y, et al. (2026) Maternal microbiome-derived propionate regulates offspring myelination via histone lactylation. Brain : a journal of neurology.

Chen SW, et al. (2025) ECM29/proteasome-mediated self-antigen generation by CNS-resident neuroglia promotes regulatory T cell activation. Cell reports, 44(1), 115161.

Balboni N, et al. (2024) Transcriptional and metabolic effects of aspartate-glutamate carrier isoform 1 (AGC1) downregulation in mouse oligodendrocyte precursor cells (OPCs). Cellular & molecular biology letters, 29(1), 44.

Protti M, et al. (2023) Targeted quantitative metabolic profiling of brain-derived cell cultures by semi-automated MEPS and LC-MS/MS. Journal of pharmaceutical and biomedical analysis, 236, 115757.

Mok KK, et al. (2023) Apolipoprotein E ?4 disrupts oligodendrocyte differentiation by interfering with astrocyte-derived lipid transport. Journal of neurochemistry, 165(1), 55.

Li L, et al. (2023) Nuclear import carrier Hikeshi cooperates with HSP70 to promote murine oligodendrocyte differentiation and CNS myelination. Developmental cell, 58(21), 2275.

Manukjan N, et al. (2023) Hypoxic oligodendrocyte precursor cell-derived VEGFA is associated with blood-brain barrier impairment. Acta neuropathologica communications, 11(1), 128.

Panditharatna E, et al. (2022) BAF Complex Maintains Glioma Stem Cells in Pediatric H3K27M Glioma. Cancer discovery, 12(12), 2880.

Poeta E, et al. (2021) Histone Acetylation Defects in Brain Precursor Cells: A Potential Pathogenic Mechanism Causing Proliferation and Differentiation Dysfunctions in Mitochondrial Aspartate-Glutamate Carrier Isoform 1 Deficiency. Frontiers in cellular neuroscience, 15, 773709.

Medved J, et al. (2021) Novel guanidine compounds inhibit platelet-derived growth factor receptor alpha transcription and oligodendrocyte precursor cell proliferation. Glia, 69(3), 792.

Mukherjee C, et al. (2020) Oligodendrocytes Provide Antioxidant Defense Function for Neurons by Secreting Ferritin Heavy Chain. Cell metabolism, 32(2), 259.

Petralla S, et al. (2019) Deficiency of Mitochondrial Aspartate-Glutamate Carrier 1 Leads to Oligodendrocyte Precursor Cell Proliferation Defects Both In Vitro and In Vivo. International journal of molecular sciences, 20(18).

Falcão AM, et al. (2019) PAD2-Mediated Citrullination Contributes to Efficient Oligodendrocyte Differentiation and Myelination. Cell reports, 27(4), 1090.

Liu Z, et al. (2019) Nucleoporin Seh1 Interacts with Olig2/Brd7 to Promote Oligodendrocyte Differentiation and Myelination. Neuron, 102(3), 587.

Teske N, et al. (2018) Chemical hypoxia-induced integrated stress response activation in oligodendrocytes is mediated by the transcription factor nuclear factor (erythroid-derived 2)-like 2 (NRF2). Journal of neurochemistry, 144(3), 285.