

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

NE-4C

RRID:CVCL_B063

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2925, RRID:CVCL_B063

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_B063

Proper Citation: ATCC Cat# CRL-2925, RRID:CVCL_B063

Description: Cell line NE-4C is a Spontaneously immortalized cell line with a species of origin *Mus musculus* (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:9057134](#), [PMID:16183159](#)

Category: Spontaneously immortalized cell line

Organism: *Mus musculus* (Mouse)

Name: NE-4C

Cross References: BTO:BTO_0005624, ATCC:CRL-2925, CCRID:3101MOUSCSP1501, CLS:305182, Wikidata:Q54930366

ID: CVCL_B063

Vendor: ATCC

Catalog Number: CRL-2925

Record Creation Time: 20250130T072528+0000

Record Last Update: 20260905T184101+0000

Ratings and Alerts

No rating or validation information has been found for NE-4C.

No alerts have been found for NE-4C.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Xu J, et al. (2026) An antioxidative injectable chitosan hydrogel based on tannic acid modified dialdehyde polyurethane nano-crosslinker targeting RIPK1 to regulate neuroinflammation for amelioration of Parkinson's disease. *Biomaterials*, 325, 123614.

He S, et al. (2026) CBFA2T2: a novel H3K27 reader regulating metabolism and tumor growth. *Molecular cancer*, 25(1).

Domínguez-Iturza N, et al. (2026) Molecular cues from distinct neuron classes drive differential myelination in the neocortex. *Developmental cell*, 61(6), 1303.

Lin SH, et al. (2026) Nanoengineered Micellar Hydrogel with Controllable Strain-Dependent Behavior for Brain Slice-Like Tissue Patch Bioprinting. *Small (Weinheim an der Bergstrasse, Germany)*, 22(39), e09654.

Cui Z, et al. (2025) Rotenone-driven DNA hypermethylation of the miR-6991-3p promoter induces death of mouse brain organoids. *Tissue & cell*, 95, 102831.

Shohayeb B, et al. (2024) BDNF-dependent nano-organization of Neogenin and the WAVE regulatory complex promotes actin remodeling in dendritic spines. *iScience*, 27(9), 110621.

Choi H, et al. (2023) Phase-sensitive detection of anomalous diffusion dynamics in the neuronal membrane induced by ion channel gating. *Physics in medicine and biology*, 68(6).

Dybowska-Sarapuk ?, et al. (2022) Ultrasonication effects on graphene composites in neural cell cultures. *Frontiers in molecular neuroscience*, 15, 992494.

Iyer RR, et al. (2022) Ultra-parallel label-free optophysiology of neural activity. *iScience*, 25(5), 104307.

Mangold K, et al. (2021) Highly efficient manipulation of nervous system gene expression with NEPTUNE. *Cell reports methods*, 1(4).

Wilde JJ, et al. (2017) Diencephalic Size Is Restricted by a Novel Interplay Between GCN5 Acetyltransferase Activity and Retinoic Acid Signaling. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(10), 2565.

Coulthard LG, et al. (2017) Complement C5aR1 Signaling Promotes Polarization and Proliferation of Embryonic Neural Progenitor Cells through PKC?. *The Journal of*

neuroscience : the official journal of the Society for Neuroscience, 37(22), 5395.