

Product sheet

Neuro2a-Luc | 305690

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**Description** Neuro-2a-Luc (Neuro-2a (N2a)) is a cell line derived from the mouse embryonic stem (ES) cell line Neuro-2a (N2a). The Neuro-2a-Luc construct is a reporter gene construct that expresses the luciferase gene under the control of the Neuro-2a promoter. This construct is used to study the expression and regulation of the Neuro-2a promoter in various cell lines and tissues.

**Organism** Mouse

**Tissue** Brain, Neuro-2a-Luc

**Disease** Neuro-2a-Luc

**Synonyms** Neuro2A-Luc

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**Gender** Male

**Cell type** Neuro-2a-Luc

**Growth properties** Neuro-2a-Luc

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**Citation** Neuro-2a-Luc (Neuro-2a (N2a)) Cytion: 305690

**Biosafety level** 1

**NCBI\_TaxID** 10090

**CellosaurusAccession** CVCL\_K046

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**Protein expression** Neuro-2a-Luc



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**Thawing and Culturing Cells**

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a well of a 96-well plate at a density of 100,000 cells per well.
3. Incubate the cells for 24 hours at 37°C in a humidified atmosphere of 5% CO<sub>2</sub>.
4. Remove the medium and replace it with fresh medium. Incubate the cells for 70% confluence.
5. Seed the cells into a well of a 96-well plate at a density of 15,000 cells per well.
6. Incubate the cells for 200 × 5 days in a humidified atmosphere of 5% CO<sub>2</sub>.
7. Harvest the cells and analyze the luciferase activity.

**Incubation Atmosphere** 37 °C, 5% CO<sub>2</sub>, humidified atmosphere

**Shipping Conditions** Store at -150 °C to -196 °C. Ship on dry ice.

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**Neuro2a-Luc / Neuro2a-Luc / HLA**