

# Rat Hypothalamic Neurons

Cat. No. ARP0376,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Hypothalamic Neurons is essential to the study of obesity/metabolic disorders, sleep-wake cycle dysregulation, temperature dysautonomia, hypothalamic-pituitary dysfunction, and Prader-Willi syndrome models. The brain is the main component of the central nervous system (CNS) and is located within the cranial cavity. It consists of several major parts: the cerebrum, diencephalon, cerebellum, and brainstem. The brain is responsible for processing information, regulating bodily functions, and enabling cognition, emotions, and behavior. Together with the spinal cord, the brain forms the central nervous system. The Rat Hypothalamic Neurons are to be used with Rat Hypothalamic Neuron Medium (Cat. No. ACM0376). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Neurons

Tissue/Organ: Brain

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Neuron-Specific Enolase (NSE)

Symbols: RHN

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.

## Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.



## Culturing Guidance

Morphology: Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.  
If any damage is observed, notify Ascent Technical Support immediately.
2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).  
Secondary option: -80°C mechanical freezer (short-term storage only).  
Always maintain temperature strictly below -65°C.

## Disclaimer

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