

# Rat Trigeminal Neurons

Cat. No. ARP0377,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Trigeminal Neurons is essential to the study of migraine pathophysiology, trigeminal neuralgia, temporomandibular joint (TMJ) disorders, orofacial pain, and herpes zoster ophthalmicus. The trigeminal nerve is the fifth (CN V) cranial nerve and transmits nerve signals between the brain and the face. The Rat Trigeminal Neurons are to be used with Rat Trigeminal Neuron Medium (Cat. No. ACM0377). 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: Trigeminal nerve

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Neuron-Specific Enolase (NSE)

Symbols: RTN

## 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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