

# Rat Skeletal Muscle Cells

Cat. No. ARP0316,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Skeletal Muscle Cells is essential to the study of muscular dystrophies (e.g., Duchenne), sarcopenia, rhabdomyolysis, critical illness myopathy, and statin-induced myopathy. Skeletal muscle is one of the three muscle tissues in the body, the other two are cardiac muscle and smooth muscle. It attaches to bones to enable movement. The Rat Skeletal Muscle Cells are to be used with Rat Skeletal Muscle Cell Medium (Cat. No. ACM0316). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Muscle Cells

Tissue/Organ: Muscle (skeletal muscle)

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers:  $\alpha$ -Actin

Symbols: RSMC

## Shipping & Storage

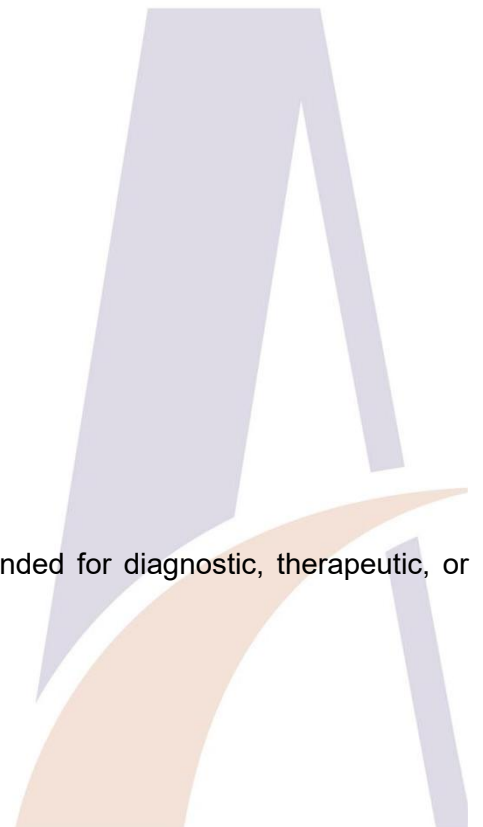
Shipping condition: Frozen on dry ice.

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

## Intended Use

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## Culturing Guidance



Morphology: Elongated fusiform

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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