

# Human Skeletal Muscle Satellite Cells

Cat. No. ARP0161,  $5 \times 10^5$  cells/vial

## Description

Research on the Human Skeletal Muscle Satellite Cells is essential to the study of muscle regeneration deficits in aging (stem cell exhaustion), cachexia, disuse atrophy, and traumatic muscle injury repair. 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 Human Skeletal Muscle Satellite Cells are to be used with Human Skeletal Muscle Satellite Cell Medium (Cat. No. ACM0161). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: N/A

Tissue/Organ: Muscle (skeletal muscle)

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Pax7, Actinin

Symbols: HSMSC

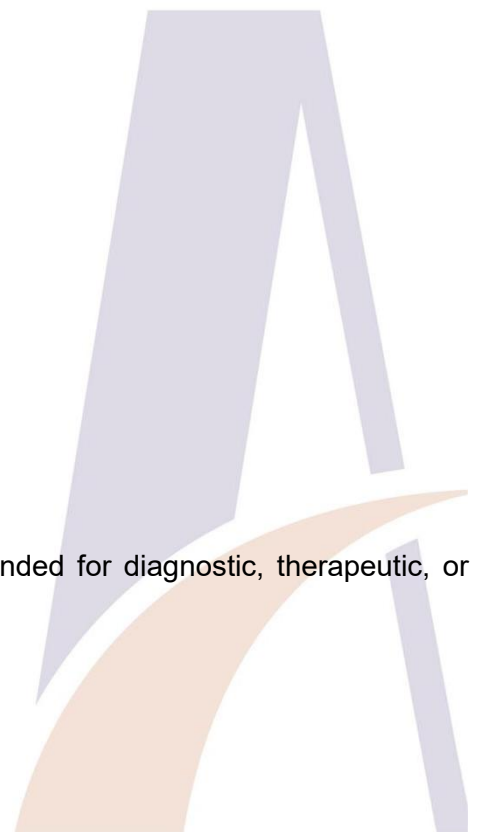
## Shipping & Storage

Shipping condition: Frozen on dry ice.

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

## Intended Use

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## Culturing Guidance

Morphology: N/A

Growth Mode: N/A

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

Ascent Research endeavors to provide accurate and up-to-date product information. However, no warranties or representations are made regarding its completeness or reliability. References to scientific literature and patents are for informational purposes only, and the customer assumes sole responsibility for verifying their accuracy.

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