

# Rat $\alpha$ -SMA-Positive Renal Perivascular Myofibroblasts

Cat. No. ARP0262,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat  $\alpha$  -SMA-Positive Renal Perivascular Myofibroblasts is essential to the study of renal fibrosis progression, myofibroblast activation in obstructive nephropathy, and chronic allograft injury. The kidneys are two bean-shaped organs responsible for the excretion and regulation of the body's fluids. Its primary functions are filtering blood, removing waste, and excess water to produce urine. Common disorders include nephritis, kidney stones, and kidney failure. The Rat  $\alpha$  -SMA-Positive Renal Perivascular Myofibroblasts are to be used with Rat  $\alpha$  -SMA-Positive Renal Perivascular MyoFibroblast Medium (Cat. No. ACM0262). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Fibroblasts

Tissue/Organ: Kidney

Disease: N/A

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

Markers:  $\alpha$  -Smooth Muscle Actin ( $\alpha$  -SMA)

Symbols: R  $\alpha$  RPM

## 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: Elongated fusiform, 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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