

# Rat Prostate Fibroblasts

Cat. No. ARP0259,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Prostate Fibroblasts is essential to the study of prostate fibrosis, cancer-associated fibroblast (CAF) activation in tumor stroma, post-radiation tissue remodeling, and BPH-related stiffness. The prostate is a gland of the male reproductive system, composed of both muscle and gland tissue. It is located below the bladder, in front of the rectum, and surrounding the urethra. The gland tissue of the prostate releases additional fluid to help nourish sperm cells and lubricate the urethra. While the muscle drives a mechanical switch between urination and ejaculation. The Rat Prostate Fibroblasts are to be used with Rat Prostate Fibroblast Medium (Cat. No. ACM0259). 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: Prostate

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Fibronectin, Vimentin

Symbols: RPF

## 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, 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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