

Rat Ligament Fibroblasts

Cat. No. ARP0339, 5×10^5 cells/vial

Description

Research on the Rat Ligament Fibroblasts is essential to the study of anterior cruciate ligament (ACL) injury, ligamentous laxity, post-traumatic joint instability, and osteoarthritis progression. A joint is the structure that connects two or more bones. It is composed of bones, cartilage, synovial fluid, ligaments, and other components. Its primary functions are to provide structural support, cushion mechanical stress, and allow flexible movement. The Rat Ligament Fibroblasts are to be used with Rat Ligament Fibroblast Medium (Cat. No. ACM0339). 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: Joint

Disease: N/A

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Fibronectin, Vimentin

Symbols: RLF

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Fibroblast-like

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO₂

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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