

Rat Tendon Fibroblasts

Cat. No. ARP0328, 5×10^5 cells/vial

Description

Research on the Rat Tendon Fibroblasts is essential to the study of tendinopathy, rotator cuff tears, post-surgical tendon adhesions, and collagen disorganization in Ehlers-Danlos models. A tendon is a tough, rope-like fibrous connective tissue. It connects muscles to the bone and transmits the force from muscle contraction to the bone, which allows for movement at joints. The Rat Tendon Fibroblasts are to be used with Rat Tendon Fibroblast Medium (Cat. No. ACM0328). 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: Tendon

Disease: N/A

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Fibronectin, Vimentin

Symbols: RTF

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Elongated fusiform, Irregular

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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