

Rat Vertebral Endplate Chondrocytes

Cat. No. ARP0329, 5×10^5 cells/vial

Description

Research on the Rat Vertebral Endplate Chondrocytes is essential to the study of intervertebral disc degeneration, Modic changes, spinal osteoarthritis, and vertebral endplate sclerosis. The spine, or spinal column, provides structural support to the nervous system, protecting the spinal cords and nerves. The Rat Vertebral Endplate Chondrocytes are to be used with Rat Vertebral Endplate Chondrocyte Medium (Cat. No. ACM0329). 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: Spine

Disease: N/A

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Collagen II

Symbols: RVEC

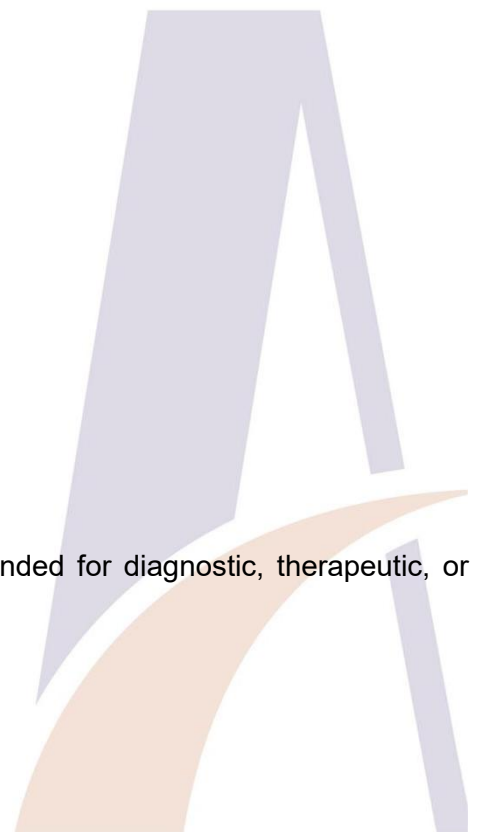
Shipping & Storage

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

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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