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Mouse Dorsal Root Ganglion (DRG) Neurons

Cat. No. ARP0622, 5×10^5 cells/vial

Description

Research on the Mouse Dorsal Root Ganglion (Drg) Neurons is essential to the study of peripheral neuropathy, chronic pain (e.g., sciatica), diabetic neuropathy, chemotherapy-induced neuropathy, and nerve injury models. The dorsal root ganglion is a cluster of sensory neuron cell bodies located on the dorsal root of a spinal nerve. It acts as a key relay center, transmitting sensory signals from the peripheral nervous system to the central nervous system. It plays a crucial role in the initiation and persistence of both acute and chronic pain. The Mouse Dorsal Root Ganglion (Drg) Neurons are to be used with Mouse Dorsal Root Ganglion (DRG) Neuron Medium (Cat. No. ACM0622). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Neurons

Tissue/Organ: Peripheral Nervous System (dorsal root ganglion (DRG))

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: Neuron-Specific Enolase (NSE)

Symbols: MDRGN

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) 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: Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO_2

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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