www.ascentresearch.com
+1-202-949-4794
info@ascentresearch.com

Rat Olfactory Bulb Neurons

Cat. No. ARP0384, 5×10^5 cells/vial

Description

Research on the Rat Olfactory Bulb Neurons is essential to the study of anosmia, Parkinson's-related olfactory dysfunction, Alzheimer's progression, traumatic smell loss, and Zika virus-induced neuronal damage. The olfactory bulb is a neural structure of olfaction (the sense of smell), located in the vertebrate forebrain. It transmits the olfaction signal received from the nose to the amygdala, the orbitofrontal cortex (OFC), and the hippocampus for further processing, learning, and memory. The Rat Olfactory Bulb Neurons are to be used with Rat Olfactory Bulb Neuron Medium (Cat. No. ACM0384). 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: Brain (olfactory bulb)

Disease: Normal

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

Markers: Neuron-Specific Enolase (NSE)

Symbols: ROBN

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) cryopreservation.

Intended Use

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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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