

# Human Renal Proximal Tubular Epithelial Cells

Cat. No. ARP0150,  $5 \times 10^5$  cells/vial

## Description

Research on the Human Renal Proximal Tubular Epithelial Cells is essential to the study of acute inflammatory, acute kidney injury, Fanconi syndrome, cisplatin-induced nephrotoxicity, and chronic kidney disease progression. The kidneys are two bean-shaped organs responsible for the excretion and regulation of the body's fluids. Its primary functions are filtering blood, removing waste, and excess water to produce urine. Common disorders include nephritis, kidney stones, and kidney failure. The Human Renal Proximal Tubular Epithelial Cells are to be used with Human Renal Proximal Tubular Epithelial Cell Medium (Cat. No. ACM0150). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Epithelial Cells

Tissue/Organ: Kidney

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Cytokeratin 18, Cytokeratin 19

Symbols: HRPTEC

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) 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: Epithelial-like

Growth Mode: N/A

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## 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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