

# NPHP1 Knockout MDCK Cell Line

Cat. No. ARG0568,  $1 \times 10^6$  cells/vial

## Description

The NPHP1 Knockout MDCK Cell Line is a knockout cell line. The gene/protein NPHP1 was knocked out in the MDCK cell line by the CRISPR system or other editing tools. After selection and expansion, the modified cells become a knockout stable cell line.

## Specification

Type: Knockout

Gene/Protein: NPHP1

Identifiers: NCBI Gene ID 403780

Gene Species: Canis lupus familiaris (Dog)

## Cell Information

Host Cell: MDCK

Sex of Donor: Female

Age: Adult

Tissue/Organ: Kidney

Disease: N/A

## 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: 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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