

# MITF Knockout THP-1 Cell Line

Cat. No. ARG0810,  $1 \times 10^6$  cells/vial

## Description

The MITF Knockout THP-1 Cell Line is a knockout cell line. The gene/protein MITF was knocked out in the THP-1 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: MITF

Identifiers: NCBI Gene ID 4286

Gene Species: Homo sapiens (Human)

## Cell Information

Host Cell: THP-1

Sex of Donor: Male

Age: 1 year

Tissue/Organ: Blood (peripheral blood)

Disease: Acute monoblastic leukemia

## 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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