

## CMK-86

Cat. No. ARC1051,  $1 \times 10^6$  cells/vial

### Description

CMK-86 is a human myeloid leukemia cell line derived from the peripheral blood of a 10-month-old male patient with Down syndrome-associated acute megakaryoblastic leukemia. CMK-86 expresses megakaryocytic features, including GPIIb/IIIa, alpha-granules, and platelet peroxidase activity, making it a useful in vitro model for studies of megakaryoblastic leukemia, Down syndrome-associated myeloid leukemia, megakaryocytic differentiation, and anti-leukemia drug response.

### Specification

Cell Type: Cancer cell line

Tissue/Organ: Blood

Derived from Site: Peripheral blood

Disease: Acute megakaryoblastic leukemia in Down syndrome

Species: Homo sapiens (Human)

Genetic Background: Japanese

Sex of Donor: Male

Age: 10 months

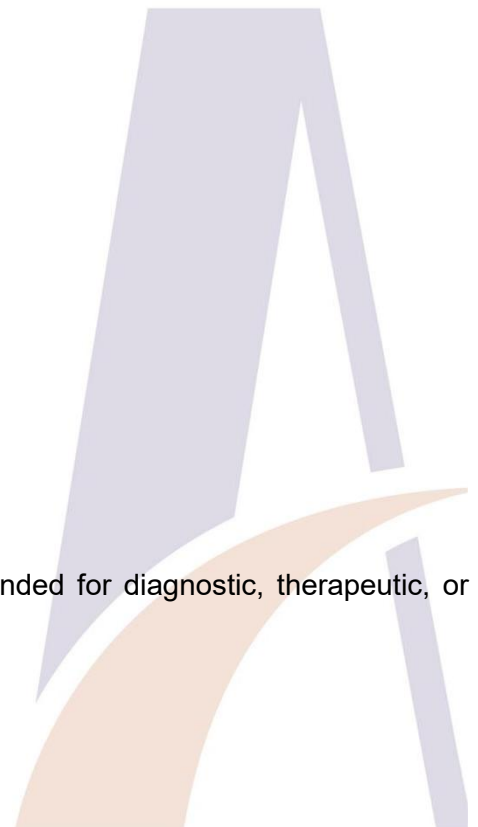
### Shipping & Storage

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

Growth Mode: Suspension

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

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.

By accepting this product, the customer acknowledges and agrees to assume all risks associated with its receipt, handling, storage, disposal, and use, including compliance with all applicable safety and environmental regulations and precautions. Relevant laws, regulations, and ethical guidelines must be followed in conducting any research, modifications, or derivatives derived from this product.

This product is provided "AS IS", and except as expressly stated herein, Ascent Research disclaims all other warranties, express or implied. Under no circumstances shall Ascent Research, its affiliates, or representatives be liable for indirect, incidental, consequential, or punitive damages arising from the use of this material. While Ascent Research employs rigorous quality control measures, we shall not be held responsible for damages resulting from misidentification or misinterpretation of the provided materials.

## Copyrights

© 2026 Ascent Research. All rights reserved.

This document was last updated on June 8, 2026.