

# User Manual

## OriCell™ Y-27632

Catalog No. YDHC-10001



## Introduction

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Y-27632 (Y-27632 Dihydrochloride) is a selective inhibitor of ROCK1 and ROCK2. The addition of Y-27632 to serum-free embryonic stem cell and induced pluripotent stem cell (iPSC) culture systems can significantly reduce cell apoptosis and improve colony formation efficiency. Through extensive optimization by our R&D team, this product has been developed as an auxiliary reagent suitable for the routine culture of most iPSC lines.

OriCell™ Y-27632 has been validated in the culture of multiple iPSC lines. It promotes high cell attachment efficiency after dissociation and seeding, enhances cell recovery, and supports rapid cell proliferation, thereby maximizing overall cell viability. Extensive data have shown that OriCell™ Y-27632 is suitable for most commonly used iPSC lines during thawing and passaging.

**Note:** This product is intended for research use only and is not for diagnostic, therapeutic, clinical, household, or any other applications.

When citing our products in academic publications, please use the following format: “OriCell™ [Product Name] + [Catalog Number], from Cyagen Biosciences.”

## QC

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- Pass the detection of bacteria, fungi, mycoplasma, and endotoxins.
- Pass the detection of product performance.

Please refer to "COA" for details.

## General Handling Principles

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1. Maintain strict aseptic technique. Ensure the entire lab and operating areas are kept clean.
2. Follow standardized protocols. Adhere strictly to the instructions provided in the manual.
3. Ensure proper storage and use. Store the product according to specified conditions and use it promptly to ensure optimal performance.

## Product Stability and Storage Conditions

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- Protect from light. The product has a shelf life of 1 year and should be stored at -80 °C.
- It is recommended to aliquot into small volumes after the initial thaw to avoid repeated freeze-thaw cycles.
- Use the product within the shelf life. Do not use it after the expiration date.
- This product is a 10 mM solution. Please add or use according to your experimental requirements.

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