

Product Information

MemDX™ Rat CLDN18.1 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX148**

This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein

CLDN18.1

Target Protein Species

Rat

Protein Tag

Tag-free

Host Cell Type

HEK293T

Target Classification

Others

Target Family

Others

Target Research Area

Cancer Research

Related Diseases

Gastroesophageal Adenocarcinoma; Gastroesophageal Junction Adenocarcinoma

Product Properties

Morphology

Epithelial

Assay Types

Drug screening and biological assays

Resistance

Puromycin

Mycoplasma Testing

Negative

Sterility Testing

10 passages

Biosafety Level

Level 1

Activity

Yes

Quantity

5x10⁶ cells

Form

Frozen cells

Freeze Medium

70% DMEM + 20% FBS + 10% DMSO

Culture Medium

DMEM + 10% FBS + 1µg/mL Puromycin

Selective Antibiotic(s)

Regular antibiotics active against mycoplasmas, bacteria and fungi.

Handling Notes

Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.

Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line.

Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.

Incubation

37°C with 5% CO₂

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO₂ to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening and functional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target**Full Name**

Claudin 18

Introduction

Predicted to enable structural molecule activity. Involved in response to ethanol. Predicted to be integral component of membrane. Predicted to be active in bicellular tight junction and plasma membrane. Orthologous to human CLDN18 (claudin 18).

Alternative Names

claudin-18

Gene ID

[315953](#)

UniProt ID

[Q5I0E5](#)