

Product Information

MemDX™ Human NT5E (High) MC-38 Cell Line

Cat. No.: **S01YF-0123-KX71**

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

Product Information

Target Protein

NT5E (High)

Target Protein Species

Human

Accession Number

NM_001204813.2

Protein Tag

Tag-free

Host Cell Type

MC-38

Target Classification

Others

Target Family

Others

Target Research Area

Cardiovascular Research; Inflammation Research

Related Diseases

Calcification Of Joints And Arteries; Periarthritis

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% RPMI 1640 + 20% FBS + 10% DMSO

Culture Medium

RPMI 1640 + 10% FBS + 5µg/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

Introduction

The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA; 5'-nucleotidase; 5'-NT; 5'-deoxynucleotidase; IMP-specific 5'-nucleotidase; Purine 5-Prime-Nucleotidase; ecto-5'-nucleotidase; thymidylate 5'-phosphatase

Gene ID

[4907](#)

UniProt ID

[P21589](#)