

# Product Information

## MemDX™ Human NT5E CT26 Cell Line

Cat. No.: **S01YF-0123-KX72**

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

### Product Information

#### Target Protein

NT5E

#### Target Protein Species

Human

#### Accession Number

NM\_001204813.2

#### Protein Tag

Tag-free

#### Host Cell Type

CT26

#### Target Classification

Others

#### Target Family

Others

#### Target Research Area

Cardiovascular Research; Inflammation Research

#### Related Diseases

Calcification Of Joints And Arteries; Periarthritis

### Product Properties

#### Morphology

Fibroblast

#### Assay Types

Drug screening and biological assays

#### Resistance

Puromycin

#### Mycoplasma Testing

Negative

### **Sterility Testing**

10 passages

### **Biosafety Level**

Level 1

### **Activity**

Yes

### **Quantity**

5x10<sup>6</sup> cells

### **Form**

Frozen cells

### **Freeze Medium**

70% RPMI 1640 + 20% FBS + 10% DMSO

### **Culture Medium**

DMEM + 10% FBS + 10µg/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% CO<sub>2</sub>

### **Applications**

Drug screening and biological assays

### **Application Notes**

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO<sub>2</sub> 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**

## 5'-nucleotidase ecto

### 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](#)