

# Product Information

## MemDX™ Human TACSTD2 CT26 Cell Line

Cat. No.: **S01YF-0324-KX67**

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

### Product Information

#### Target Protein

TACSTD2

#### Target Protein Species

Human

#### Host Cell Type

CT26

#### Target Classification

Others

#### Target Family

Others

#### Target Research Area

Ocular Research

#### Related Diseases

Corneal Dystrophy

### Product Properties

#### Assay Types

Functional assay and biological assay

#### Mycoplasma Testing

Negative

#### Biosafety Level

Level 1

#### Activity

Yes

#### Form

Frozen cells

#### Freeze Medium

DMEM + 20% FBS + 10% DMSO

### Culture Medium

DMEM + 10% FBS

### 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

Tumor associated calcium signal transducer 2

### Introduction

This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

### Alternative Names

TACSTD2; EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1; 40kD glycoprotein, identified by monoclonal antibody GA733; cell surface glycoprotein TROP2; cell surface glycoprotein Trop-2; epithelial glycoprotein-1; gastrointestinal tumor-associated antigen GA7331; membrane component, chromosome 1, surface marker 1; pancreatic carcinoma marker protein GA733-1; pancreatic carcinoma marker protein GA7331; trophoblast cell surface antigen 2; truncated TACSTD2; Tumor associated calcium signal transducer 2

### Gene ID

4070

### UniProt ID

P09758