

# Product Information

## MemDX™ Human MS4A1 CT26 Cell Line

Cat. No.: **S01YF-0123-KX213**

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

### Product Information

#### Target Protein

MS4A1

#### Target Protein Species

Human

#### Accession Number

NM\_152866.3

#### Protein Tag

Tag-free

#### Host Cell Type

CT26

#### Target Classification

Immune Checkpoint

#### Target Family

Immune Checkpoint

#### Target Research Area

Autoimmune Research; Immunology Research

#### Related Diseases

Immunodeficiency

### Product Properties

#### Morphology

Fibroblastoid cells growing as a monolayer

#### 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**

RPMI 1640 + 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**

### Introduction

This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.

### Alternative Names

MS4A1; B1; S7; Bp35; CD20; FMC7; CVID5; MS4A2; LEU-16; B-lymphocyte antigen CD20; B-lymphocyte cell-surface antigen B1; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; membrane-spanning 4-domains, subfamily A, member 1; Membrane spanning 4-domains A1

### Gene ID

[931](#)

### UniProt ID

[P11836](#)