

# Product Information

## MemDX™ Human FAP HEK293T Cell Line

Cat. No.: **S01YF-0123-KX191**

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

### Product Information

#### Target Protein

FAP

#### Target Protein Species

Human

#### Accession Number

NM\_004460.5

#### Protein Tag

Tag-free

#### Host Cell Type

HEK293T

#### Target Classification

Others

#### Target Family

Others

#### Target Research Area

Cancer Research

#### Related Diseases

Breast Ductal Carcinoma; Melanoma

### 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% DMEM + 20% FBS + 10% DMSO

**Culture Medium**

DMEM + 10% FBS + 0.5µg/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% 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

The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

### Alternative Names

FAP; FAPA; SIMP; DPPIV; FAPalpha; prolyl endopeptidase FAP; 170 kDa melanoma membrane-bound gelatinase; dipeptidyl peptidase FAP; gelatine degradation protease FAP; integral membrane serine protease; post-proline cleaving enzyme; seprase; surface-expressed protease; Fibroblast activation protein alpha

### Gene ID

[2191](#)

### UniProt ID

[Q12884](#)