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Product Information

MemDX™ Human FAP MC-38 Cell Line

Cat. No.: **S01YF-0324-KX110**
This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein
FAP

Target Protein Species
Human

Host Cell Type
MC-38

Target Classification
Others

Target Family
Others

Target Research Area
Cancer Research

Related Diseases
Breast Ductal Carcinoma; Melanoma

Product Properties

Assay Types
Functional assay and biological assay

Mycoplasma Testing
Negative

Biosafety Level
Level 1

Activity
Expression verification; tumorigenicity verification

Form
Frozen cells

Freeze Medium

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

Culture Medium

RPMI 1640 + 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_2

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_2 to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening andfunctional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

Fibroblast activation protein alpha

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

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