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Product Information

MemDX™ Mouse FAP NIH3T3 Cell Line

Cat. No.: **S01YF-0123-KX96**
This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein
FAP

Target Protein Species
Mouse

Accession Number
NM_007986.3

Protein Tag
Tag-free

Host Cell Type
NIH3T3

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

5x10^6 cells

Form

Frozen cells

Freeze Medium

70% DMEM + 20% FBS + 10% DMSO

Culture Medium

DMEM + 10% FBS + 1μg/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_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

Introduction

This gene belongs to the serine protease family. The encoded protein is an inducible cell-surface bound glycoprotein specifically expressed in tumor-associated fibroblasts and pericytes of epithelial tumors and has protease and gelatinase activity. The protein plays a role in remodeling of the extracellular matrix (ECM) and may affect tumorigenesis and tissue repair. Alternately spliced transcript variants of this gene are described in the literature (PMID 9139873), but the full-length sequence of these variants is not available.

Alternative Names

SIMP; prolyl endopeptidase FAP; FAPalpha; dipeptidyl peptidase FAP; fibroblast activation protein alpha; gelatine degradation protease FAP; integral membrane serine protease; post-proline cleaving enzyme; seprase; serine integral membrane protease; surface-expressed protease

Gene ID

14089

UniProt ID

P97321

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