

Product Information

MemDX™ Membrane Protein Human FAP (Fibroblast activation protein alpha) Full Length

Cat. No.: **MPC3458K**

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

This product is a made-to-order Human FAP membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

FAP

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNG
TFSYKTFFPNWISGQEYLHQSDANNIVLYNIETGQSYTILSNRTMKSVNA
SNYGLSPDRQFVYLESDYSLWRYSYTATYYIDLSNGEFVVRGNELPRPI
QYLCWSPVGSKLAYVYQNNIYLKQRPDPPFQITFNGRENKIFNGIPDWV
YEEEMLATKYALWWSPNGKFLAYAEFNDTDIPVIAYSYYGDEQYPTINI
PYPKAGAKNPVVRIFIIDTTYPAYVGPQEVVPAMIASSDYYFSWLTWVT
DERVCLQWLKRVQNVSVLSICDFREDWQTDWCPKTQEHIEESRTGWAGGF
FVSTPVFSYDAISYYKIFSDKDGYKHIHYIKDTVENAIQITSGKWEAINI
FRVTQDSLFFYSSNEFEEYPGRRNIYRISIGSYPPSKKCVTCHLRKERCQY
YTASFSDYAKYYALVCYGPPISTLHDGRDQEIKILEENKELENALKN
IQLPKEIKKLEVDEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVR
SVFAVNWISYLASKEGMVIALVDGRGTAFQGDKLLYAVYRKLGVYEVEDQ
ITAVRKFIEMGFIDEKRIAWGWSYGGYVSSLALASGTGLFKCGIAPV
SSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGT
ADDNVHFQNSAQIAKALVNAQVDFQAMWYSQNHGLSGLSTNHLYTHMTH
FLKQCFSLSD

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

FAP

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](#)