

Product Information

MemDX™ Membrane Protein Human FAP (Fibroblast activation protein alpha) Expressed in Baculovirus/Insect expression system for Antibody Discovery, Partial (26-760aa)

Cat. No.: **MPX0555K**

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

This product is a 86 kDa Human FAP membrane protein expressed in Baculovirus/Insect expression system. 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

Partial (26-760aa)

Protein Class

Cell adhesion

Molecular Weight

86 kDa

TMD

1

Sequence

LRPSRVHNSEENTMRALTLKDILNG
TFSYKTFFPNWISGQEYLHQSDANNIVLYNIETGQSYTILSNRTMKSVNA
SNYGLSPDRQFVYLESDYSLWRYSTATYYIYDLSNGEFVRGNELPRPI
QYLCWSPVGSKLAYVYQNNIYLKQRPDPPFQITFNGRENKIFNGIPDWV
YEEEMLATKYALWWSPNGKFLAYAEFNDTDIPVIAYSYYGDEQYPRTINI
PYPKAGAKNPVVRIFIIDTTYPAYVGPQEVVPAMIASSDYFWSLWWT
DERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIIESRTGWAGGF
FVSTPVFSYDAISYYKIFSDKDGKHYIHYIKDTVENAIQITSGKWEAINI
FRVTQDSLFISSNEFEEYPGRRNIYRISIGSYPPSKKCVTCHLRKERCQY
YTASFSDYAKYYALVCYGPPISTLHDGRDQEIKILEENKELENALKN
IQLPKEEIKKLEVDEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVR
SVFAVNWISYLASKEGMVIALVDGRGTAFQGDKLLYAVYRKLGVYEVEDQ
ITAVRKFIEMGFIDEKRIAIWGSYGGYVSSLALASGTGLFKCGIAVAPV
SSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGT
ADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYTHMTH
FLKQCFSLSD

Product Description

Activity

Yes

Expression Systems

Baculovirus/Insect expression system

Tag

6xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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](#)