

Product Information

MemDX™ Membrane Protein Human FAP (Fibroblast activation protein alpha) for Antibody

Discovery

Cat. No.: **MP0603J**

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

This product is a 87.5 kDa Human FAP membrane protein expressed in HEK293T. 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

Druggable Genome, Protease, Transmembrane

Molecular Weight

87.5 kDa

TMD

1

Sequence

MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFFPNWISGQEYLHQ
SADNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLESDYSKLWRYSYTATYYIYDLSNGEF
VRGNELPRPIQYLCWSPVGSKLAYVYQNNIYLKQRPGDPPFQITFNGRENKIFNGIPDWVYEEEMLATKY
ALWWSPNGKFLAYAEFNDTDIPVIAYSYYGDEQYPRITINIPYKAGAKNPVVRIFIIDTTYPAYVGPQEV
PVPAMIASSDYFWSLWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIIESRTGWAGGF
FVSTPVFSYDAISYYKIFSDKDGKHYKHIYKDTVENAIQITSGKWEAINIFRVTQDSLFIYSSNEFEEYPG
RRNIYRISIGSYPPSKKCVTCHLRKERCQYYTASFSDYAKYYALVCYGPPISTLHDGRTDQEIKILEE
NKELENALKNIQLPKKEIKKLEVDEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISY
LASKEGMVIALVDGRGTAFQGDKLLYAVYRKLGVYEVEDQITAVRKFIEMGFIDEKRIAIWGSYGGYVS
SLALASGTGLFKCGIAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGT
ADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLTYHMTHTFLKQCFSLSD

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

FAPA; SIMP; DPPIV; FAPalpha

Gene ID

[2191](#)

UniProt ID

[Q12884](#)