

# Product Information

## **MemDX™ Membrane Protein Human FAP (Fibroblast activation protein alpha) Expressed in *E.coli* with GST tag at the N-terminus for Antibody Discovery, Partial (26-760aa)**

Cat. No.: **MPX4477K**

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

This product is a 112.0kDa Human FAP membrane protein expressed in *E.coli*. 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

112.0kDa

#### TMD

1

#### Sequence

LRPSRVHNSEENTMRALTLKDILNGTFSYKTFPPNWISGQEYLHQSADNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFV

### Product Description

#### Expression Systems

*E.coli*

#### Tag

GST tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% 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](#)