

# Recombinant Full Length Human FAP Protein, C-Flag-tagged

**Cat. No.** FAP-589HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human FAP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 87.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFF<br>PNWISGQEYLHQ SADNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLE<br>SDYSKLWRYSYTATYYIYDLSNGEF VRGNELPRPIQYLCWSPVGSKLAYVYQNNIYL<br>KQRPBGDPPFQITFNGRENKIFNGIPDWVYEEEMLATKY ALWWSPNGKFLAYAEFND<br>TDIPVIAYSYYGDEQYPRITINIPYKAGAKNPVVRIFIIDTTYPAYVGPQEV PVPAMIAS<br>SDYYFSWLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIEESR                                                                                                                                                                                                                |

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TGWAGGF FVSTPVFSYDAISYYKIFSDKDGYKHIHYIKDTVENAIQITSGKWEAINIFR  
 VTQDSLIFYSSNEFEEYPG RRNIYRISIGSYPPSKKCVTCHLRKERCQYYTASFSDYA  
 KYYALVCYGP GIPISTLHDGR TDQEIKILEE NKELENALKNIQLPKEEIKKLEVDEITLW  
 YKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISY LASKEGMVIALVDGRG  
 TAFQGDKLLYAVYRKLGVEVEDQITAVRKFIEMGFIDEKRIAIWGWSYGGYVS SLA  
 LASGTGLFKCGIAVAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYF  
 RNVDYLLIHGT  
 ADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYTHMTHFLKQC  
 FSLSDSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome, Protease, Transmembrane                                                                                                     |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

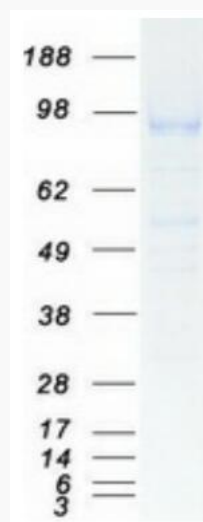
|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| <b>Gene Name</b>       | FAP fibroblast activation protein alpha [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | FAP                                                              |

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|                       |                             |
|-----------------------|-----------------------------|
| <b>Synonyms</b>       | FAPA; SIMP; DPPIV; FAPalpha |
| <b>Gene ID</b>        | 2191                        |
| <b>mRNA Refseq</b>    | NM_004460.5                 |
| <b>Protein Refseq</b> | NP_004451.2                 |
| <b>MIM</b>            | 600403                      |
| <b>UniProt ID</b>     | Q12884                      |



Coomassie blue staining of purified FAP protein.