

Recombinant Full Length Human FAP Protein, GST-tagged

Cat. No. FAP-4646HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FAP full-length ORF (NP_004451.2, 1 a.a. - 760 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	760 amino acids
Description	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. [provided by RefSeq, Apr 2014]
Molecular Mass	114.1 kDa
AA Sequence	MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTF PNWISGQEYLHQSadNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLE SDYSKLWRYSYTATYYIYDLSNGEFVRGNELPRPIQYLCWSPVGSKLAYVYQNNIYL KQRP GDPPFQITFNGRENKIFNGIPDWVYEEEMLATKYALWWSPNGKFLAYAEFND TDIPVIAYSYYGDEQYPR TINIPYKAGAKNPVVRIFIIDTTYPAYVGPQEVVPAMIAS

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SDYYFSWLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIEESR
 TGWAGGFFVSTPVFSYDAISYYKIFSDKDGYKHIHYIKDTVENAIQITSGKWEAINIFR
 VTQDSLFISSNEFEEYPGRRNIYRISIGSYPPSKKCVTCHLRKERCQYYTASFSDYA
 KYYALVCYGPPISTLHDGRDQEI KILEENKELENALKNIQLPKEEIKKLEVDEITLW
 YKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISYLASKEGMVIALVDGRG
 TAFQGDKLLYAVYRKLGVEVEDQITAVRKFIEMGFIDEKRIAIWGWSYGGYVSSLAL
 ASGTGLFKCGIAVAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFR
 NVDYLLIHGTADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYT
 HMTHFLKQCFSLSD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FAP fibroblast activation protein, alpha [Homo sapiens]

Official Symbol

FAP

Synonyms

FAP; fibroblast activation protein, alpha; seprase; DPPIV; integral membrane serine protease; 170 kDa melanoma membrane-bound gelatinase; FAPA; DKFZp686G13158;

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Gene ID	2191
mRNA Refseq	NM_004460
Protein Refseq	NP_004451
MIM	600403
UniProt ID	Q12884

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