

Recombinant Human FAP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FAP-3722H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FAP MS Standard C13 and N15-labeled recombinant protein (NP_004451) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	87.7 kDa
AA Sequence	MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTF PNWISGQEYLHQSadNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLE SDYSKLWRYSYTATYYIYDLSNGEFVRGNELPRPIQYLCWSPVGSKLAYVYQNNIYL KQRPGDPPFQITFNGRENKIFNGIPDWVYEEEMLATKYALWWSPNGKFLAYAEFND TDIPVIAYSYYGDEQYPR TINIPYPKAGAKNPVVRIFIIDTTYPAYVGPQEVVPAMIAS SDYYFSWLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIIEESR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TGWAGGFFVSTPVFSYDAISYYKIFSDKDGKHIHYIKDTVENAIQITSGKWEAINIFR
 VTQDSLIFYSSNEFEEYPGRRNIYRISIGSYPPSKKCVTCHLRKERCQYYTASFSDYA
 KYVALVCYGPPISTLHDGRTDQEIKILEENKELENALKNIQLPKEEIKKLEVDEITLW
 YKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISYLASKEGMVIALVDGRG
 TAFQGDKLLYAVYRKLGVYEVEDQITAVRKFIEMGFIDEKRIAIWGWSYGGYVSSLAL
 ASGTGLFKCGIAVAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFR
 NVDYLLIHGTADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYT
 HMTFLKQCFSLSDSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FAP fibroblast activation protein alpha [Homo sapiens (human)]

Official Symbol FAP

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

Gene ID 2191

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mRNA Refseq [NM_004460](#)

Protein Refseq [NP_004451](#)

MIM [600403](#)

UniProt ID [Q12884](#)

SDS-PAGE



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