

Product datasheet for **TP304692M**

Fibroblast activation protein, alpha (FAP) (NM_004460) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human fibroblast activation protein, alpha (FAP), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC204692 protein sequence
Red=Cloning site **Green**=Tags(s)

MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFPPNWISGQEYLHQ
SADNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLESDYSKLWRYSYTATYYIDLNGEF
VRGNELPRPIQYLCWSPVGSKLAYVYQNNIYLKQRPDPPFQITFNGRENKIFNGIPDWYEEEMLATKY
ALWWSPNGKFLAYAEFNDDIPVIAYSYYGDEQYPRITINIPYKAGAKNPVWRIFIIDTTPAYVGPQEV
PVPAMIASDDYFSWLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIIESRTGWAGGF
FVSTPVFSYDAISYYKIFSDKDGKHHIYIKDTVENAIQITSGKWEAINIFRVTDLSLFYSSNEFEYEPG
RRNIYRISIGSYPPSKKCVTCHLRKERCQYTAASFSDYAKYYALVCYGPPISTLHDGRDQEIKILEE
NKELENALKNIQLPKEEIKKLEVEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISY
LASKEGMVIALVDGRGTAFAQGDKLLYAVYRKLGVYEVEDQITAVRKFIEMGFIDEKRIAIWGSYGGYVS
SLALASGTGLFKCGIAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGT
ADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYTHMTHFLKQCFLSD

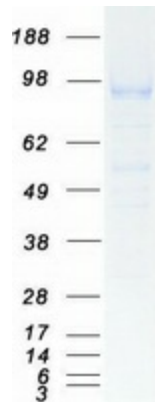
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 87.5 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004451
Locus ID:	2191
UniProt ID:	Q12884
RefSeq Size:	2815
Cytogenetics:	2q24.2
RefSeq ORF:	2280
Synonyms:	DPPIV; FAPA; FAPalpha; SIMP
Summary:	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]
Protein Families:	Druggable Genome, Protease, Transmembrane

Product images:

Coomassie blue staining of purified FAP protein (Cat# [TP304692]). The protein was produced from HEK293T cells transfected with FAP cDNA clone (Cat# [RC204692]) using MegaTran 2.0 (Cat# [TT210002]).