

## Product datasheet for **TP304692L**

### 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), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC204692 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFPPNWISGQEYLHQ  
SADNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLESDYSKLWRYSYTATYYIDLNGEF  
VRGNELPRPIQYLCWSPVGSKLAYVYQNNIYLKQRPDPPFQITFNGRENKIFNGIPDWVYEEEMLATKY  
ALWWSPNGKFLAYAEFNDDIPVIAYSYYGDEQYPRITINIPYKAGAKNPVWRIFIIDTTPAYVGPQEV  
PVPAMIASDDYFSWLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIEESRTGWAGGF  
FVSTPVFSYDAISYYKIFSDKDGKHHIYIKDTVENAIQITSGKWEAINIFRVTQDSLFSYSSNEFEYEPG  
RRNIYRISIGSYPPSKKCVTCHLRKERCQYITASFSYAKYYALVCYGPPISTLHDGRDQEIKILEE  
NKELENALKNIQLPKEEIKKLEVEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISY  
LASKEGMVIALVDGRGTAFAQGDKLLYAVYRKLGVYEVEDQITAVRKFIEMGFIDEKRIAIWGSYGGYVS  
SLALASGTGLFKCGIAVAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGT  
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.

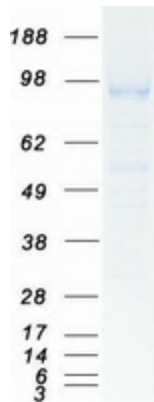
**Storage:** Store at -80°C.



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<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>RefSeq:</b>	<a href="#">NP_004451</a>
<b>Locus ID:</b>	2191
<b>UniProt ID:</b>	<a href="#">Q12884</a>
<b>RefSeq Size:</b>	2815
<b>Cytogenetics:</b>	2q24.2
<b>RefSeq ORF:</b>	2280
<b>Synonyms:</b>	DPPIV; FAPA; FAPalpha; SIMP
<b>Summary:</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. [provided by RefSeq, Apr 2014]
<b>Protein Families:</b>	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]).