

Product datasheet for PH304692

Fibroblast activation protein, alpha (FAP) (NM_004460) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAP MS Standard C13 and N15-labeled recombinant protein (NP_004451)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204692
Predicted MW:	87.7 kDa
Protein Sequence:	>RC204692 protein sequence Red=Cloning site Green=Tags(s)
	MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFPPNWISGQEYLNQ SADNNIVLYNIETGQSYTILSNRTMKS VNASNYGLSPDRQFVYLES DYSKLWRYSYTATYYIYDL SNGEF VRGNELPRPIQYLCWSPVGSKLAYVYQNNIYLKQRPGDPPFQITFNGRENKIFNGIPDWVYEEEMLATKY ALWWSPNGKFLAYAEFNDTDIPVIAYSYQGDEQYPR TINIPYPKAGAKNPVVRIFIIDTTYPAYVGPQEV PVPAMIASSDYF SWL TWVTD ERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIIESRTGWAGGF FVSTPVFSYDAISYYKIFSDKDG YKHIHYIKDTVENAIQITSGKWEAINIFRVTQDSL FYSSNEFEEYPG RRNIYRISIGSYPPSKKCVTCHLRKERCQYYTASFSDYAKYYALVCYGP GIP ISTLHDGR TDQEIKILEE NKELENALKNIQLPKEEIKKLEVDEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVF AVNWISY LASKEGMVIALVDGRGTA FQGD KLLYAVYRKLGVYEVEDQITAVRKF IEMGF IDEKRIAIWGSYGGYVS SLALASGTGLFKCGIAVAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGT ADDNVHFQNSAQIAKALVNAQVDFQAMWYS DQNHGLSGLSTNHL YTHMTHFLKQCFSLSD
	SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004451



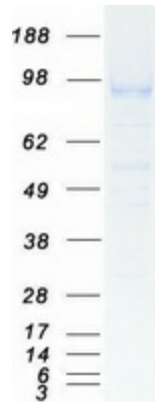
[View online »](#)

RefSeq Size:	2815
RefSeq ORF:	2280
Synonyms:	DPPIV; FAPA; FAPalpha; SIMP
Locus ID:	2191
UniProt ID:	Q12884
Cytogenetics:	2q24.2

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]).