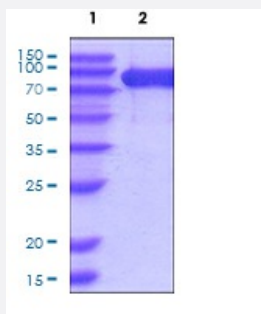


Bioactive

FAP (Human) Recombinant Protein

Catalog # P8092 Size 100 ug

Applications



Specification

Product Description

Human FAP (Q12884, 26 a.a. - 760 a.a.) partial length recombinant protein His tag expressed in Baculovirus expression system.

Sequence

LRPSRVHNSEENTMRALTLKDILNGTFSYKTFPPNWISGQEYLHQSADNNVLYNIETGQSYTILSNR
TMKSVNASNYGLSPDRQFVYLESDYSKLWRYSYATYYDLNNGEFVRGNELPRPIQYLCWSPVG
SKLAYVYQNNMLKQRPDPPFQITFNGRENKIFNGIPDWVYEEEMLATKYALWWSPNGKFLAYAE
FNDTDIPVIAYSYYGDEQYPTINIPYPKAGAKNPVVRIFIIDTTPAYVGPQEVVPAMIASSDYYFS
WLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCPKTQEHIIESRTGWAGGFFVSTPVF
SYDAISYYKIFSDKDGYKHIHYKDTVENAIQITSGKWEAINFRVTQDSLFISSNEFEEYPGRRNIYRISI
GSYPPSKKCVTCHLRKERCQYYTASFSDYAKYYALVCYGPPISTLHDGRDQEIKILEENKELEN
ALKNIQLPKEEIKKLEVDITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISYLASK
EGMVIALVDGRGTAFQGDKLLYAVYRKLGVYEVEDQITAVRKFIEMGFIDEKRIAWGWSYGGYVSS
LALASGTGLFKCGIAVAPVSSWEYYASVYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLI
HGTADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYTHMTHFLKQCFSLSD

Host Viruses

Theoretical MW (kDa) 86.09999999999998

Form Liquid

Preparation Method Baculovirus expression system

Purity > 90% by SDS-PAGE

Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Specific activity is > 5000 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 p mole of Z-GP-AMC per minute at pH 7.5, at 37°C.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (20% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — FAP

Entrez GeneID	2191
Protein Accession#	Q12884
Gene Name	FAP
Gene Alias	DKFZp686G13158, DPPIV, FAPA
Gene Description	fibroblast activation protein, alpha
Omim ID	600403
Gene Ontology	Hyperlink
Gene 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. [provided by RefSeq]
Other Designations	fibroblast activation protein, alpha subunit integral membrane serine protease seprase

Disease

- [Tobacco Use Disorder](#)