

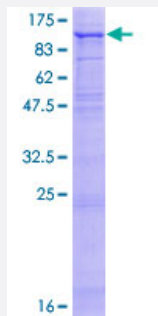
Full-Length

FAP (Human) Recombinant Protein (P01)

Catalog # H00002191-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human FAP full-length ORF (NP_004451.2, 1 a.a. - 760 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKTWVKVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFFPNWISGQEY
LHQSADNNMLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLESDYSLWRYSYTATYYIDL
SNGEFVRGNELPRPIQYLCWSPVGSKLAYVYQNNYKQRP GDPPFQITFNGRENKIFNGIPDWVY
EEEMLATKYALWWSPNGKFLAYAEFNDTDIPVIAYSYGDEQYPRITINIPYKAGAKNPVVRIFIIDTT
YPAYVGPQEVVPAMIASDYYFSWLTWVTDERVCLQWLKRVQNVSVLSICDFREDWQTWDCP
KTQEHIEESRTGWAGGFFVSTPVFSYDAISYKIFSDKDGKHIHYKDTVENAIQITSGKWEAINIFRV
TQDSLFISSNEFEEYPGRNIRISIGSYPPSKKCVTCHLRKERCQYATSFSDYAKYYALVCYGGP
IPSTLHDGRTDQEIKEENKELENALKNIQLPKEEIKKLEVDEITLWYKMILPPQFDRSKKYPLLIQVY
GGPCSQSVRSVFAVNWISYASKEGMVIALVDGRGTAFQGDKLLYAVYRKLGVYEVEDQITAVRK
FIEMGFIDEKRIAMGWSYGGYVSSLALASGTGLFKCGIAPVSSWEYASVYTERFMGLPTKDD
NLEHYKNSTVMARAEYFRNVDYLLIHGTADDNVHFQNSAQIAKALVNAQVDFQAMWYSDQNHGL
SGLSTNHLYTHMTHFLKQCFSLSLSD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

114.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FAP

Entrez GeneID	2191
GeneBank Accession#	NM_004460.2
Protein Accession#	NP_004451.2
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](#)