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Datasheet for ABIN7505371  
**FAP Protein (AA 26-349) (His tag)**

## Overview

Quantity:	100 µg
Target:	FAP
Protein Characteristics:	AA 26-349
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAP protein is labelled with His tag.
Application:	Immunogen (Imm)

## Product Details

Sequence:	Leu26-Gly349
Characteristics:	A DNA sequence encoding the Mouse FAP protein (P97321) (26L-349G) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

## Target Details

Target:	FAP
Alternative Name:	FAP ( <a href="#">FAP Products</a> )
Background:	Abbreviation: FAP Target Synonym: 170 kDa melanoma membrane bound gelatinase, 170 kDa melanoma membrane-bound gelatinase, DPPIV, FAP, FAPA, Fibroblast activation protein alpha, Integral

## Target Details

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membrane serine protease,SEPR,Seprase,FAPalpha,SIMP

Background: Cell surface glycoprotein serine protease that participates in extracellular matrix degradation and involved in many cellular processes including tissue remodeling, fibrosis, wound healing, inflammation and tumor growth. Both plasma membrane and soluble forms exhibit post-proline cleaving endopeptidase activity, with a marked preference for Ala/Ser-Gly-Pro-Ser/Asn/Ala consensus sequences, on substrate such as alpha-2-antiplasmin SERPINF2 and SPRY2. Degrade also gelatin, heat-denatured type I collagen, but not native collagen type I and IV, vitronectin, tenascin, laminin, fibronectin, fibrin or casein. Have also dipeptidyl peptidase activity, exhibiting the ability to hydrolyze the prolyl bond two residues from the N-terminus of synthetic dipeptide substrates provided that the penultimate residue is proline, with a preference for Ala-Pro, Ile-Pro, Gly-Pro, Arg-Pro and Pro-Pro. Natural neuropeptide hormones for dipeptidyl peptidase are the neuropeptide Y (NPY), peptide YY (PYY), substance P (TAC1) and brain natriuretic peptide 32 (NPPB).

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Molecular Weight: Calculated MW: 38 kDa  
Observed MW: 35-40 kDa

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UniProt: [P97321](#)

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Pathways: [Tube Formation](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date: 12 months