

Recombinant Human FAP, His-tagged

Cat. No. FAP-28897TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 29-760 of Human Fibroblast activation protein, alpha with C terminal His tag expressed in a Baculovirus infected Sf9 cell expression system, 85.5 kDa.
Species	Human
ProteinLength	29-760 a.a.
Description	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.
Conjugation	HIS
Tissue specificity	Fibroblast specific.
Biological activity	Specific Activity: 10.2 pmol/min/μg. Assay Condition: 50 mM Tris-HCl (pH7.5), 10 mM MgCl ₂ , 1 mM MnCl ₂ , 5μM substrate (A-P-AMC), room temperature.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the peptidase S9B family.
GENE INFORMATION	
Gene Name	FAP fibroblast activation protein, alpha [Homo sapiens]
Official Symbol	FAP
Synonyms	FAP; fibroblast activation protein, alpha; seprase; DPPIV;
Gene ID	2191
mRNA Refseq	NM_004460
Protein Refseq	NP_004451
MIM	600403
Uniprot ID	Q12884
Chromosome Location	2q23
Function	dipeptidyl-peptidase activity; metalloendopeptidase activity; peptidase activity; protein binding; protein dimerization activity;

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