

Recombinant Human fibroblast activation protein, alpha, GST-tagged

Cat. No. FAP-1461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Seprase Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 203 amino acids (559-761 a.a.) and having a total Mw of 48kDa. Seprase is fused to a GST tag and is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	559-761 a.a.
Description	Seprase is a dual specificity serine protease expressed in reactive human tumor stromal fibroblasts. Seprase is a homodimeric integral membrane gelatinase, which is part of the serine protease family. Seprase is expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. Seprase protein has a role in the control of fibroblast growth or epithelial-mesenchymal interactions throughout development, tissue repair, and epithelial carcinogenesis.
Form	Seprase is supplied in 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% Glycerol.
Physical Appearance	Sterile Filtered clear solution.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

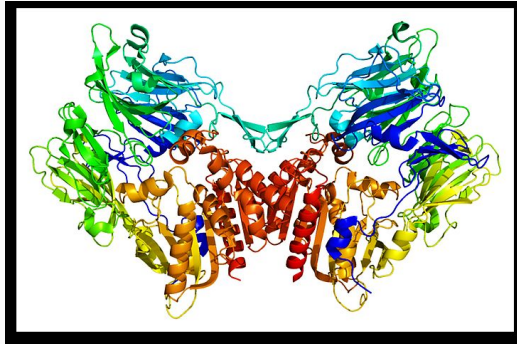
Gene Name	FAP fibroblast activation protein, alpha [Homo sapiens]
Official Symbol	FAP
Synonyms	FAP; fibroblast activation protein, alpha; FAPA; DPPIV; DKFZp686G13158; seprase; OTTHUMP00000204566; OTTHUMP00000207304; integral membrane serine protease; 170 kDa melanoma membrane-bound gelatinase
Gene ID	2191
mRNA Refseq	NM_004460
Protein Refseq	NP_004451
MIM	600403
UniProt ID	Q12884
Chromosome Location	2q23
Function	metalloendopeptidase activity; metalloendopeptidase activity; peptidase activity; protein binding; protein homodimerization activity; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type peptidase activity; contributes_to serine-type peptidase activity; serine-type peptidase activity

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PDB rendering based
on 1z68



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