

Recombinant Human FAP (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human FAP (His Tag)	93125ES25	25 µg
	93125ES60	100 µg
	93125ES76	500 µg
	93125ES80	1 mg

产品描述

FAP (also known as seprase) is a 95 kDa Type II transmembrane serine protease that is structurally related to dipeptidyl peptidase IV (DPPIV/CD26). Within the extracellular domain (ECD), human FAP shares 90% amino acid (aa) sequence identity with mouse and rat FAP. Alternative splicing of human FAP generates a truncated isoform that consists of the C-terminal 239 residues of the ECD. A soluble and enzymatically active form of FAP known as antiplasmin-cleaving enzyme (APCE) circulates in human plasma. FAP is expressed on reactive stromal fibroblasts in tumor tissue and wound healing and on synoviocytes in rheumatoid arthritis. It exhibits dipeptidyl peptidase activity with substrate specificity similar to DPPIV, which is specific for N-terminal Xaa-Pro sequences. FAP is also an endopeptidase that can degrade Gelatin, Collagens I and IV, Fibronectin, and Laminin as well as several peptide hormones (e.g. Neuropeptide Y, Brain Natriuretic Peptide, Substance P, Peptide YY, and Incretins). The enzymatic activity is dependent on FAP association with DPPIV on the cell surface. The matrix-degrading activity of FAP contributes to tumor cell migration and invasion. In addition, FAP can enhance tumor cell growth by limiting the development of anti-tumor immunity.

产品性质

别名	FAP; FAPalpha; SIMP; Seprase; APCE; DPPIV; DPPIVA; FAPA
Uniprot No.	Q12884.1
表达区间及表达系统	Recombinant Human FAP Protein is expressed from HEK293 Cells with His tag at the N-terminal. It contains Leu26-Asp760.
分子量	Approximately 86.1 kDa. Due to glycosylation, the protein migrates to 90-100 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Human FAP, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC50 of 25.8ng/ml determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in 20mM Tris, 250mM NaCl (pH 8.2). Normally 8% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

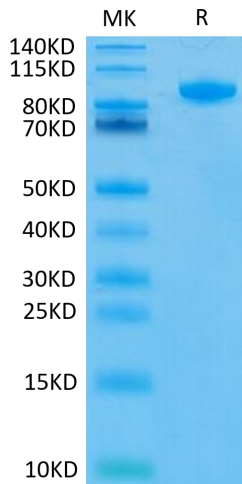
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

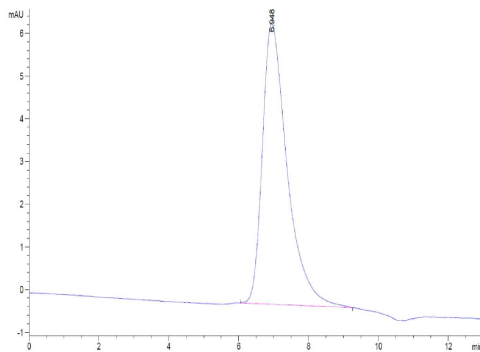
产品数据

Tris-Bis PAGE



Human FAP on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

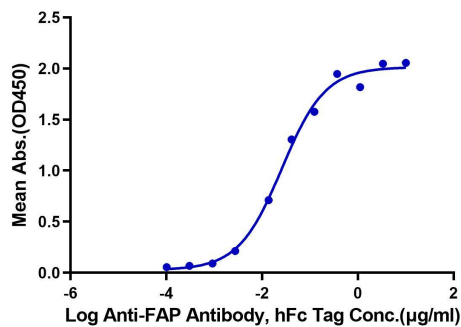
SEC-HPLC



The purity of Human FAP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human FAP, His Tag ELISA
0.05 μ g Human FAP, His Tag Per Well



Immobilized Human FAP, His Tag at 0.5 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC50 of 25.8ng/ml determined by ELISA.