

RP00492B

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Biotinylated Recombinant Human FAP Protein

Catalog No.: RP00492B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	2191	Q12884-1

Tags

N-His&Avi

Synonyms

FAP; FAPalpha; SIMP; Seprase; APCE; DPPIV; DPPIVA; FAPA , Fibroblast activation protein alpha;FAP

Product Information

Source

Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Fibroblast activation protein (FAP) is a serine protease that has been reported in fibroblasts and some carcinoma cells, which correlates with poor patient outcomes. FAP can be induced under hypoxia which is also vital in the malignant behaviors of cancer cells.

Basic Information

Description

Biotinylated Recombinant Human FAP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu26-Asp760) of Human FAP (Accession #Q12884-1) fused with a N-His&Avi tag at the N-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

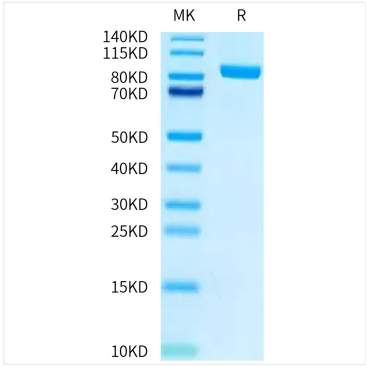
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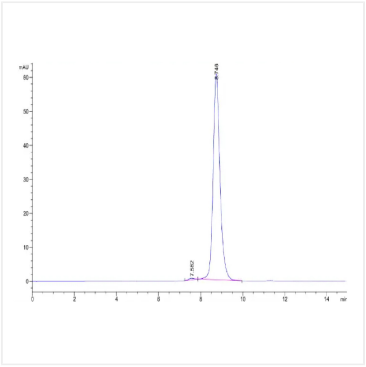
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* For your safety and health, please wear a lab coat and disposable gloves when handling.

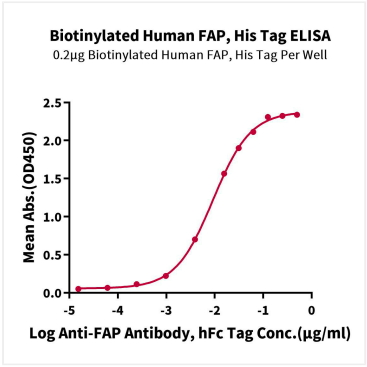
Validation Data



Biotinylated Recombinant Human FAP Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Biotinylated Human FAP, His Tag at 2 μg/mL (100 μL/Well) on streptavidin(5 μg/mL) precoated plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC₅₀ of 9.2ng/mL determined by ELISA (QC Test).