

Recombinant Cynomolgus FAP Protein

Catalog No.: RP02730 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102134935	XP_005573377

Tags

N-His

Synonyms

FAP; FAPalpha; SIMP; Seprase; APCE; DPPIV; DPPIVA; FAPA

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
86.2 kDa	80-100 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation


Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

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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

Recombinant Cynomolgus FAP Protein is expressed from Expi293 with His tag at the N-terminal. It contains Leu26-Asp760.

Bio-Activity

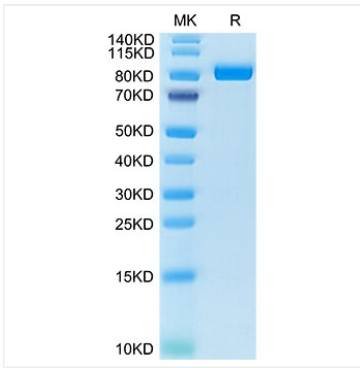
Storage

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

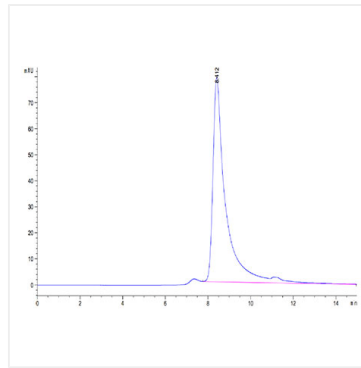
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

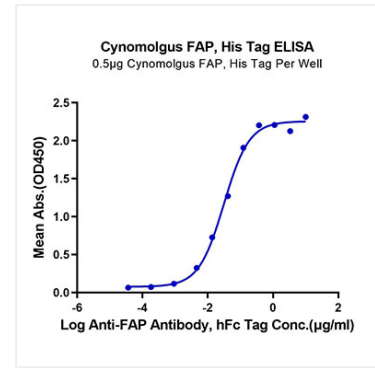
Validation Data



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



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



Immobilized Cynomolgus FAP at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC₅₀ of 31.2ng/ml determined by ELISA.