

# Cynomolgus FAP Protein

Cat. No. FAP-CM101



Description	
Source	Recombinant Cynomolgus FAP Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Leu26-Asp760.
Accession	XP_005573377
Molecular Weight	The protein has a predicted MW of 86.2 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

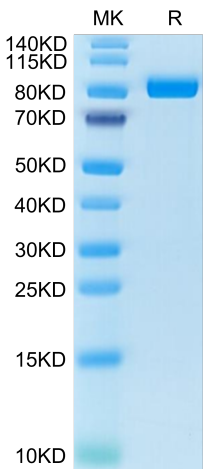
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

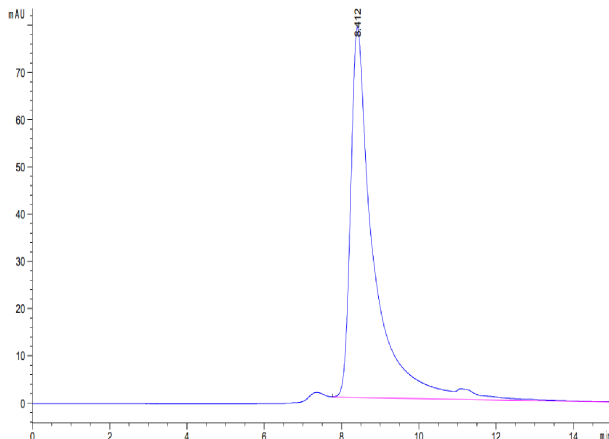
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC

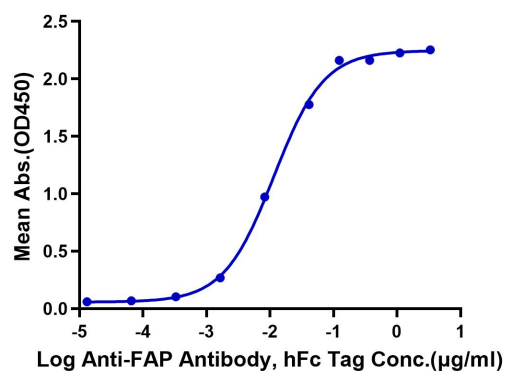


The purity of Cynomolgus FAP is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Cynomolgus FAP, His Tag ELISA**  
0.5µg Cynomolgus FAP, His Tag Per Well



Immobilized Cynomolgus FAP at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC50 of 11.5ng/ml determined by ELISA (QC Test).

Bioactivity Data

Measured by its ability to convert the substrate benzyloxycarbonyl-Gly-Pro-7-amido-4-methylcoumarin (Z-GP-AMC) to Z-Gly-Pro and 7-amino-4-methylcoumarin (AMC). The specific activity is >2500 pmol/min/µg (QC Test).