

Active Recombinant Human FAP protein, His-tagged

Cat. No. FAP-1141H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FAP protein(NP_004451.2)(Leu26-Asp760) is expressed in HEK293, fused with a 6xHis tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	26-760 aa
Form	Supplied as a 0.22 µm filtered solution in PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human FAP at 1 µg/mL (100 µL/well) can bind FAP Rabbit mAb with a linear range of 0.03-3.94 ng/mL. 2.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 >2863 pmol/min/µg. 3.Measured by its ability to hydrolyze the substrate Z-Gly-Pro-AMC to Z-Gly-Pro and AMC. The specific activity is >3000 pmol/min/µg.
Molecular Mass	85.87 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.

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Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
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Concentration	0.1-1.0 mg/mL. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	FAP fibroblast activation protein, alpha [Homo sapiens]
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Official Symbol	FAP
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Synonyms	FAP; fibroblast activation protein, alpha; seprase; DPPIV; integral membrane serine protease; 170 kDa melanoma membrane-bound gelatinase; FAPA; DKFZp686G13158;
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Gene ID	2191
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mRNA Refseq	NM_004460
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Protein Refseq	NP_004451
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MIM	600403
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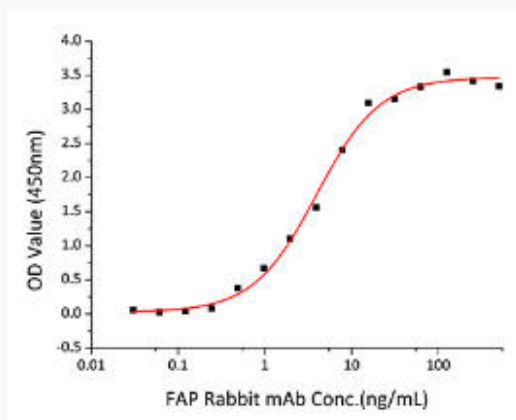
UniProt ID	Q12884
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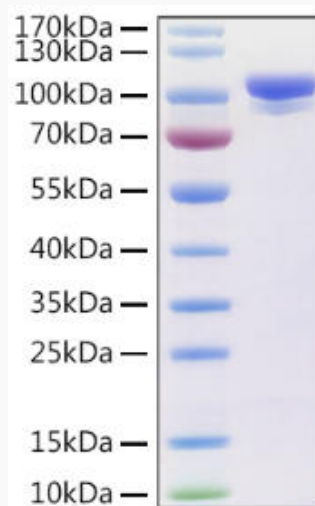
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Activity



SDS-PAGE



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