

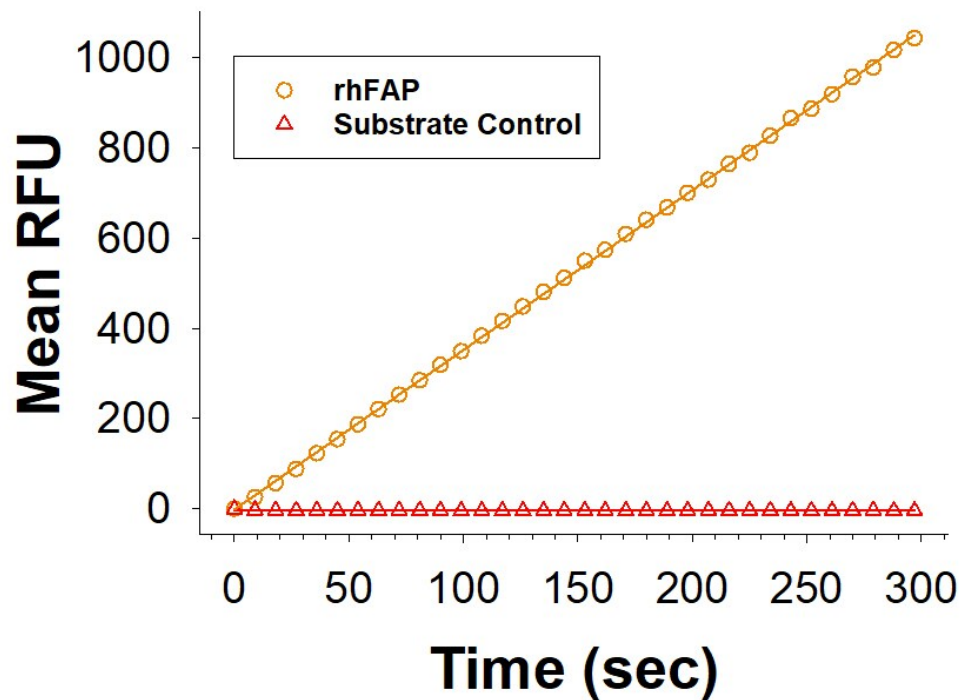
# Recombinant Human FAP Protein (Leu26-Asp760), N-6×His-tagged

## Product Information

---

<b>Cat</b>	IMP-9780
<b>Official Symbol</b>	FAP
<b>Product Overview</b>	Recombinant human FAP protein (Leu26-Asp760) with an N-terminal 6×His tag was expressed in <i>Spodoptera frugiperda</i> , Sf 21 (baculovirus) cells.
<b>Description</b>	The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Expression System</b>	Sf 21 cells
<b>Species</b>	Human
<b>Tag</b>	N-6×His
<b>Predicted N Terminal</b>	His
<b>Form</b>	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
<b>Molecular Mass</b>	Predicted Molecular Mass: 86 kDa SDS-PAGE: 85 kDa, reducing conditions
<b>Protein length</b>	Leu26-Asp760
<b>Bio-activity</b>	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 >1800 pmol/min/µg, as measured under the described conditions.
<b>Endotoxin</b>	
<b>Purity</b>	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.

## Bioactivity-ELISA 1



***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 >1800 pmol/min/μg, as measured under the described conditions.***