

## Prolyl endopeptidase FAP Active Protein | FAP active protein

Active Recombinant Human Prolyl endopeptidase FAP Protein

CATALOG #  
**AAA282471**

HOST  
**HEK293 cells**

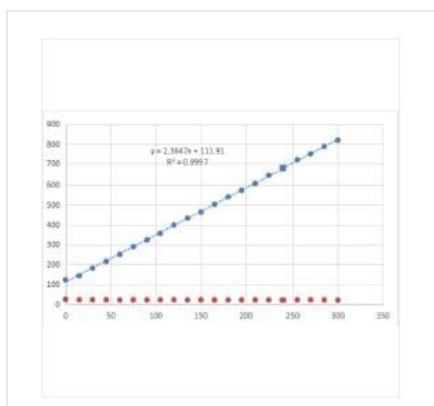
### PRODUCT SYNONYMS

Prolyl endopeptidase FAP; Active Recombinant Human Prolyl endopeptidase FAP Protein; DPPIV; FAPA; FAPalpha; SIMP; FAP; prolyl endopeptidase FAP; FAP active protein

### PRODUCT SPECIFICATIONS

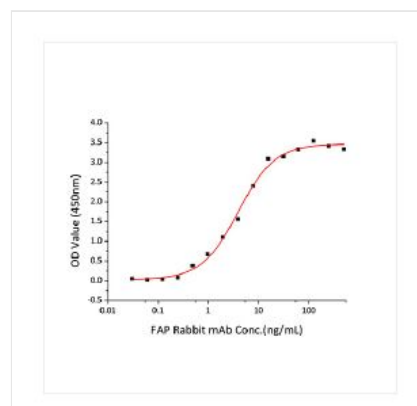
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity/Purification     | > 95% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format             | Liquid<br>Supplied as a 0.22 um filtered solution in PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag                     | C-His                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bioactivity             | <ol style="list-style-type: none"> <li>1. Measured by its binding ability in a functional ELISA. Immobilized Human FAP at 1 ug/mL (100 uL/well) can bind FAP Rabbit mAb with a linear range of 0.03-3.94 ng/mL.</li> <li>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 &gt;2863 pmol/min/ug.</li> <li>3. Measured by its ability to hydrolyze the substrate Z-Gly-Pro-AMC to Z-Gly-Pro and AMC. The specific activity is &gt;3000 pmol/min/ug.</li> </ol> |
| Preparation and Storage | <p>This liquid product is stable at &lt;= 70 degree C for up to 1 year from the date of receipt.For optimal storage, aliquot into smaller quantities after centrifugation and storeat recommended temperature. Avoid repeated freeze/thaw cycles.</p> <p>Ship: Dry Ice</p>                                                                                                                                                                                                                                                                                                                             |

### IMAGES



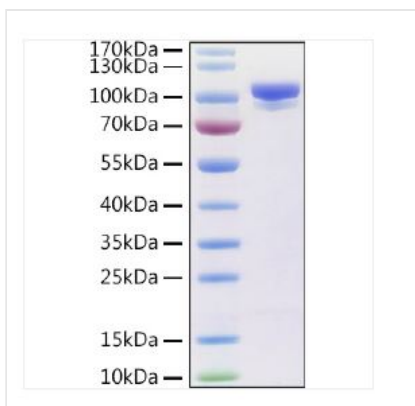
#### Application Data

Recombinant Human Prolyl endopeptidase FAP hydrolyze the substrate Z-Gly-Pro- AMC to Z-Gly-Pro and AMC. The specific activity is &gt;3000 pmol/min/ug.



#### Application Data

Immobilized Human FAP at 1ug/mL (100 uL/well) can bind FAP Rabbit mAb with a linear range of 0.03-3.94ng/mL.



#### SDS-PAGE

Active Recombinant Human Prolyl endopeptidase FAP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 95-100kDa.

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for FAP active protein</b> | Active Recombinant Human Prolyl endopeptidase FAP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu26-Asp760) of human FAP/FAPalpha (Accession #NP_004451.2) fused with a 6×His tag at the C-terminus. |
| <b>Product Categories/Family for FAP active protein</b>   | <a href="#">Other Recombinant Protein</a>                                                                                                                                                                                                                      |

### NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">16933540</a>                                                                                                                            |
| <b>NCBI GeneID</b>                      | <a href="#">2191</a>                                                                                                                                |
| <b>NCBI Accession #</b>                 | <a href="#">NP_004451.2</a>                                                                                                                         |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_004460.2</a>                                                                                                                         |
| <b>UniProt Accession #</b>              | <a href="#">Q12884</a> ; <a href="#">O00199</a> ; <a href="#">Q53TP5</a> ; <a href="#">Q86Z29</a> ; <a href="#">Q99998</a> ; <a href="#">Q9UID4</a> |
| <b>Molecular Weight</b>                 | 87,713 Da                                                                                                                                           |
| <b>NCBI Official Full Name</b>          | seprase                                                                                                                                             |
| <b>NCBI Official Synonym Full Names</b> | fibroblast activation protein, alpha                                                                                                                |
| <b>NCBI Official Symbol</b>             | FAP                                                                                                                                                 |
| <b>NCBI Official Synonym Symbols</b>    | FAPA; DPPIV                                                                                                                                         |
| <b>NCBI Protein Information</b>         | seprase; integral membrane serine protease; 170 kDa melanoma membrane-bound gelatinase                                                              |
| <b>UniProt Protein Name</b>             | Seprase                                                                                                                                             |
| <b>UniProt Gene Name</b>                | <b>FAP</b>                                                                                                                                          |
| <b>UniProt Entry Name</b>               | SEPR_HUMAN                                                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-active-protein/prolyl-endopeptidase-fap/282471>