

## Active Recombinant Human FAP Protein (Leu26-Asp760), N-6xHis tagged

Cat. No. FAP-03H Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant Human FAP Protein (Leu26-Asp760) with an N-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.

#### Species

Human

#### Source

CHO

#### ProteinLength

Leu26-Asp760

#### Description

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.

#### Bio-activity

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, as measured under the described conditions.

#### Molecular Mass

Predicted Molecular Mass: 86 kDa  
SDS-PAGE: 83-92 kDa, under reducing conditions

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>N-terminal Sequence Analysis</b>	His
<b>Endotoxin</b>	<0.10 EU/μg of the protein by the LAL method.
<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, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
<b>Storage Buffer</b>	Supplied as a 0.2 μm filtered solution in Tris, NaCl and Glycerol.
<b>Shipping</b>	The product is shipped with polar packs.

## GENE INFORMATION

<b>Gene Name</b>	FAP fibroblast activation protein alpha [ Homo sapiens (human) ]
<b>Official Symbol</b>	FAP
<b>Synonyms</b>	FAP; fibroblast activation protein alpha; FAPA; SIMP; DPPIV; FAPalpha; prolyl endopeptidase FAP; 170 kDa melanoma membrane-bound gelatinase; dipeptidyl peptidase FAP; gelatine degradation protease FAP; integral membrane serine protease; post-proline cleaving enzyme; seprase; surface-expressed protease; EC 3.4.14.5; EC 3.4.21.26
<b>Gene ID</b>	2191
<b>mRNA Refseq</b>	NM_004460

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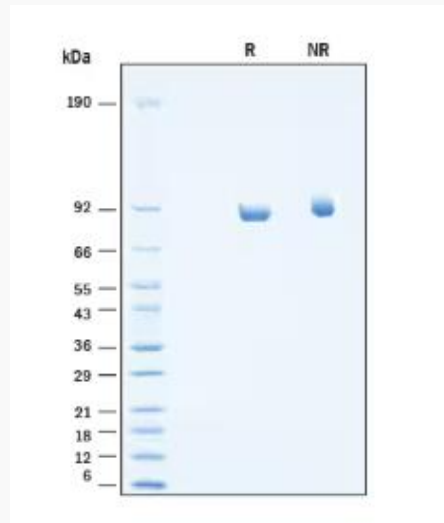
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**Protein Refseq** NP\_004451

**MIM** 600403

**UniProt ID** Q12884

**SDS-PAGE**



**Enzyme Activity**

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