

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

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N-terminal Sequence Analysis	His
Endotoxin	<0.10 EU/μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Storage Buffer	Supplied as a 0.2 μm filtered solution in Tris, NaCl and Glycerol.
Shipping	The product is shipped with polar packs.

GENE INFORMATION

Gene Name	FAP fibroblast activation protein alpha [Homo sapiens (human)]
Official Symbol	FAP
Synonyms	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
Gene ID	2191
mRNA Refseq	NM_004460

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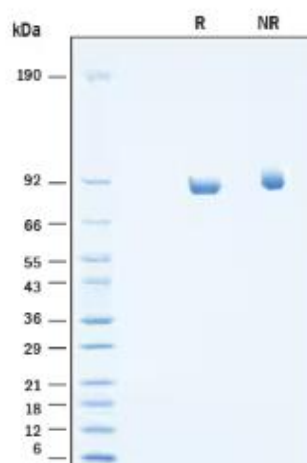
Protein Refseq NP_004451

MIM 600403

UniProt ID Q12884

Enzyme Activity

SDS-PAGE



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