

Product Data Sheet

Product Name: Recombinant Human FAP (N-8His)

Cat. No.: GC26394

Product Data

Purity	Source	Mammalian expression system.
Physical Appearance	Shipping Condition	
A solid		
Formulation		

Stability

Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt.

Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

Background

FAP (also known as seprase) is a single-pass type II membrane protein which belongs to the peptidase S9B family. FAP appears to act as a proteolytically active 170-kDa dimer, consisting of two 97-kDa subunits. It is a member of the group type II integral serine proteases, which includes dipeptidyl peptidase IV (DPPIV / CD26) and related type II transmembrane prolyl serine peptidases, which exert their mechanisms of action on the cell surface. FAP is also an endopeptidase that can degrade Gelatin, Collagens I and IV, Fibronectin, and Laminin as well as several peptide hormones. The enzymatic activity is dependent on FAP association with DPPIV on the cell surface. The matrix-degrading activity of FAP contributes to tumor cell migration and invasion. In addition, FAP can enhance tumor cell growth by limiting the development of anti-tumor immunity.

Caution: Product has not been fully validated for medical applications. For research use only.

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