Recombinant Human MMP-7 Protein

RPCB1918

Product Information

Product SKU:	RPCB1918	**Gene ID**:	4316	**Size**:	10µg
Tag:	C-His	**Reactivity**:	Human		

Additional Information

Expression Host:	-	**Swissprot:**	P09237
Purity:	> 90% by SDS-PAGE.		

Protein Information

Background: MMP-7,Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.Matrix metalloproteinases (MMPs) are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP-7 (matrilysin) is expressed in epithelial cells of normal and diseased tissues, and is capable of digesting a large series of proteins of the extracellular matrix including collagen IV and X, gelatin, casein, laminin, aggrecan, entactin, elastin and versican. MMP-7 is implicated in the activation of other proteinases such as plasminogen, MMP-1, MMP-2, and MMP-9. In addition to its roles in connective tissue remodeling and cancer, MMP-7 also regulates intestinal alpha -defensin activation in innate host defense, releases tumor necrosis factor-alpha in a model of herniated disc resorption, and cleaves FasL to generate a soluble form in a model of prostate involution. Structurally, MMP-7 is the smallest of the MMPs and consists of two domains: a pro-domain that is cleaved upon activation and a catalytic domain containing the zinc-binding site.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human MMP-7 Protein , tested reactivity in CHO Cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 0.01EU/µg of the protein by LAL method

Contact Details | Dublin, Ireland
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Formulation: Lyophilized from 0.22 μm filtered solution in 10mM HEPES, 5mM CaCl2,150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.

Storage: Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

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