


Human MMP2 Protein, His tag (Animal-Free)

Cat #: PRP1098

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human MMP2 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1098	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Active matrix metalloproteinase-2 (Active MMP-2) is a 63 kDa matrix metalloproteinases with 558 amino acid residues. MMP-2 is mainly expressed from extracellular matrix organization. Functionally, it can degrade type IV collagen and involves processes of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture.

Sequence: Amino acid sequence derived from Human MMP2 (Tyr110-Cys660) (P08253) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human MMP2 Protein consists of 551 amino acids and predicts a molecular mass of 63 kDa.

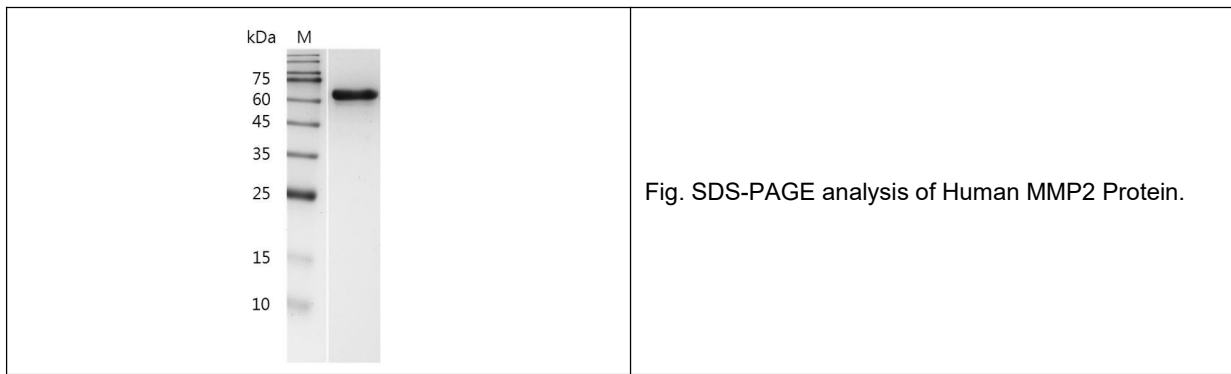
Biological Activity: Testing in progress.

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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