

Product Datasheet

MMP-8 Native Protein NBP1-99788

Unit Size: 0.005 mg

Store at -80C. Avoid freeze-thaw cycles.

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NBP1-99788**MMP-8 Native Protein**

Product Information	
Unit Size	0.005 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	0.05% Sodium Azide
Purity	SDS-PAGE
Buffer	50 mM Tris-HCl (pH 7), 200 mM NaCl, 5 mM CaCl ₂ , 1 uM ZnCl ₂ , 0.05% Brij 35
Target Molecular Weight	41 kDa
Product Description	
Description	Native MMP-8 Amino Acid Sequence: (P22894)
Gene ID	4317
Gene Symbol	MMP8
Species	Human
Details of Functionality	The latent 58-kDa form can be activated by both p-chloromercuribenzoate PCMB (0.1 mM) and trypsin (10 ug/ml) at 25 degrees C for 20 min, but PCMB is substantially more effective. The latent 58-kDa form can also be activated using 2 mM (final concentration) aminophenylmercuric acetate (APMA) or 1 mM mersalylic acid for 60 min. at 37 degrees C. Either activation method will result in the preparation having a comparable catalytic efficiency against a peptide or gelatin substrate.
Product Application Details	
Applications	Enzyme Activity
Recommended Dilutions	Enzyme Activity
Application Notes	Protein concentration >100 mU/mg. The activated enzyme is inhibited by tissue inhibitors of matrix metalloproteinase-1 (TIMP-1) and by chelators of divalent cations like EDTA or o-phenanthroline.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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