

Recombinant Human MMP8 protein (denatured)

ab177636

1 Image

Description

Product name	Recombinant Human MMP8 protein (denatured)		
Purity	> 85 % SDS-PAGE.		
Expression system	Escherichia coli		
Accession	<u>P22894</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	MGSSHHHHHHSSGLVPRGSHMGSLTPGNPKWERTNLT YRIRNYTPQLSEA EVERAIKDAFELWSVASPLIFTRISQGEADINIAFYQRDHGD NSPFDGPN GILAHAFQPGQGIGGDAHFDAEETWTNTSANYNLFVAAH EFGHSLGLAH SSDPGALMYPNYAFRETSNYSLPQDDIDGIQAIYGLSSNPIQ PTGPSTPK PCDPSLTFDAITTLRGEILFFKDRYFWRRHPLQQRVEMNFI SLFWPSLPT GIQAAYEDFDRDLIFLFKGNQYWALSGYDILQGYPKDISNY GFPSSVQAI DAAVFYRSKTYFFVNDQFWRYDNQRQFMEPGYPKSISGA FPGIESKVDAV FQQEHFFHVFSGPRYYAFDLIAQRVTRVARGNKWLNCRY G		
Predicted molecular weight	44 kDa including tags		
Amino acids	101 to 467		
Tags	His tag N-Terminus		
Additional sequence information	Full length mature protein. NP_002415.		
Description	Recombinant Human MMP8 protein		

Specifications

Our **Abpromise guarantee** covers the use of **ab177636** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris-HCl buffer, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function Can degrade fibrillar type I, II, and III collagens.

Tissue specificity Neutrophils.

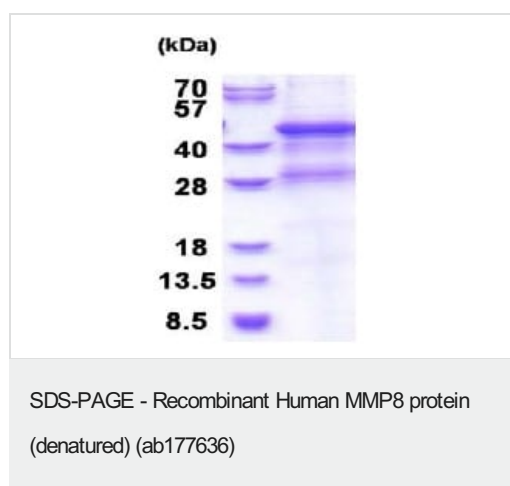
Sequence similarities Belongs to the peptidase M10A family.

Contains 4 hemopexin-like domains.

Domain The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.

Cellular localization Cytoplasmic granule. Secreted > extracellular space > extracellular matrix. Stored in intracellular granules.

Images



15% SDS-PAGE analysis of ab177636 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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