

Product datasheet

Recombinant Human MMP8 protein (denatured)  
 ab177636

1 Image

Description

<b>Product name</b>	Recombinant Human MMP8 protein (denatured)
<b>Purity</b>	> 85 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">P22894</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<pre> MGSSHHHHHHSSGLVPRGSHMGSLTPGNPKWERTNLTY RIRNYTPQLSEA EVERAIKDAFELWSVASPLIFTRISQGEADINIAFYQRDHGD NSPFDGPN GILAHAFQPGQGIGGDAHFDAEETWTNTSANYNLFLVAAH EFGHSLGLAH SSDPGALMYPNYAFRETSNYSLPQDDIDGIQAIYGLSSNPIQ PTGPSTPK PCDPSLTFDAITLARGEILFFKDRYFWRRHQPQLQRVEMNFI SLFWPSLPT GIQAAYEDFDRDLIFLFGKNQYWALSGYDILQGYPKDISNY GFPSSVQAI DAAVFYRSKTYFFVNDQFWRYDNQRQFMEPGYPKSISGA FPGIESKVDVAV FQQEHFFHVFSGPRYYAFDLIAQRVTRVARGNKWLNCRY G </pre>
<b>Predicted molecular weight</b>	44 kDa including tags
<b>Amino acids</b>	101 to 467
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	Full length mature protein. NP_002415.
<b>Description</b>	Recombinant Human MMP8 protein

## Specifications

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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.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	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)
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## General Info

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<b>Function</b>	Can degrade fibrillar type I, II, and III collagens.
<b>Tissue specificity</b>	Neutrophils.
<b>Sequence similarities</b>	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
<b>Domain</b>	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.
<b>Cellular localization</b>	Cytoplasmic granule. Secreted > extracellular space > extracellular matrix. Stored in intracellular granules.

## Images

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

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

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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