

Product datasheet

Recombinant Human MMP10 protein (denatured)
ab177631

1 References 1 Image

Description	
Product name	Recombinant Human MMP10 protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P09238</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSFSSFPGMPKWRKTHL TYRMNYTPDLP RDAVDSAIEKALKVWEEVTPLTFSRLYEGEADIMISFAVKE HGDFYSFDG PGHSLAHAYPPGPGLYGDIIHFDDDEKWTEASGTNLFLV AAHELGHSLGL FHSANTEALMYPLYSFTELAQFRLSQDDVNGIQSLYGPP PASTEEPLVP TKSVPSGSEMPAKCDPALSFDAISTLRGEYLFFKDRYFW RRSHWNPEPEF HLISAFWPSLPSYLDAAAYEVNSRDTVFIKGNFWAIRGNE VQAGYPRGI HTLGFPTIRKIDAAVSDKEKKKTYFFAADKYWRFDENSQ SMEQGFPRLI ADDFPGVEPKVDAVLQAFGFFYFFSGSSQFEFDPNARM VTHILKSNSWLH C
Predicted molecular weight	45 kDa including tags
Amino acids	99 to 476
Tags	His tag N-Terminus
Additional sequence information	NP_002416. Mature protein without signal peptide and propeptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab177631** 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, 10% Glycerol (glycerin, glycerine), 2.4% Urea

General Info

Function Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.

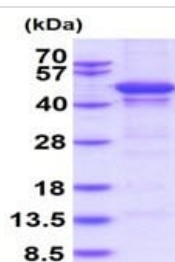
Sequence similarities Belongs to the peptidase M10A family.

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 Secreted > extracellular space > extracellular matrix.

Images



15% SDS-PAGE analysis of ab177631 (3 µg).

SDS-PAGE - Recombinant Human MMP10 protein
(denatured) (ab177631)

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