

Product datasheet

Recombinant Human MMP10 protein ab158908

1 Image

Overview

Product name Recombinant Human MMP10 protein
Protein length Protein fragment

Description

Nature Recombinant
Source Wheat germ
Amino Acid Sequence
Species Human
Sequence EPLVPTKSVPSGSEMPAKCDPALSFDAISTLRGEYLFF
 KDRYFWRSHWN
 PEPEFHLISAFWPSLPSYLDAAEYVNSRDTVIFIKGNE
 FWAIRGNEVQ
Amino acids 271 to 368
Tags GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab158908** in the following tested applications.
 The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Western blot
 ELISA
Form Liquid
Additional notes Protein concentration is above or equal to 0.05 mg/ml.

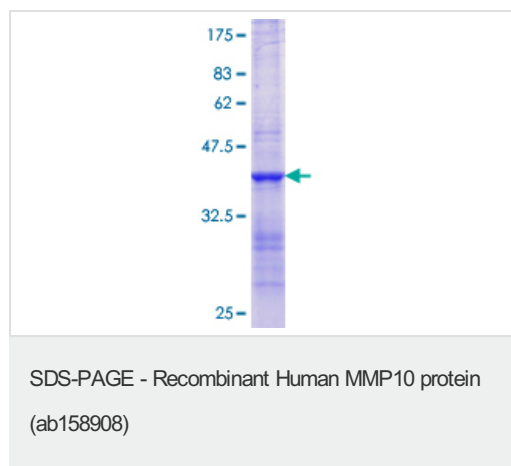
Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
 pH: 8.00
 Constituents: 0.31% Glutathione, 0.79% Tris HCl

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



ab158908 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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