

PRODUCT INFORMATION

Target MMP1

Synonyms CLG, CLGN

Recombinant human MMP1 Protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P03956 **Expression Host HEK293** Tag C-6×His tag

Molecular

Purity

Background

MMP1(Phe20-Asn469) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 52.7 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs).

Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue

remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted

protease breaks down the interstitial collagens, including types I, II, and III. The gene is part of a cluster of MMP genes on chromosome 11.

Mutations in this gene are associated with chronic

obstructive pulmonary disease (COPD).

Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by

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RefSeq, Jan 2016]

Usage Research use only

Conjugate Unconjugated





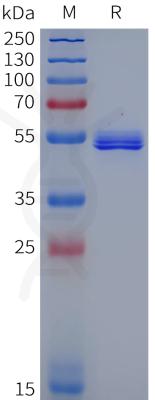


Figure 1. Human MMP1 Protein, His Tag on SDS-PAGE under reducing condition.

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