

PRODUCT INFORMATION

Target	MMP1
Synonyms	CLG, CLGN
Description	Recombinant human MMP1 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P03956
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	MMP1(Phe20-Asn469) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 52.7 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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). Lyophilized proteins are shipped at ambient temperature.
Background	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 RefSeq, Jan 2016]
Usage	Research use only
Conjugate	Unconjugated





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

