PRODUCT INFORMATION

Target	MMP8
Synonyms	HNC; CLG1; MMP-8; PMNL-CL
Description	Recombinant human MMP8 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P22894
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	MMP8(Phe21-Gly467) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 52.0 kDa after removal of the signal peptide. The apparent molecular mass of MMP8-His is approximately 55-70 kDa due to glycosylation.
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.
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 matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
Usage	Research use only
Conjugate	Unconjugated

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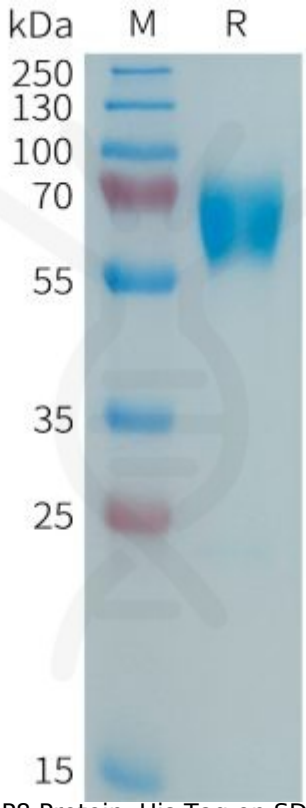


Figure 1. Human MMP8 Protein, His Tag on SDS-PAGE under reducing condition.

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