PRODUCT INFORMATION

Target	MMP9
Synonyms	CLG4B;GELB;MANDP2;MMP-9
Description	Recombinant human MMP9 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P14780
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	MMP9(Phe107-Asp707) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 67.4 kDa after removal of the signal peptide. The apparent molecular mass of MMP9-His is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% 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	Proteins of the matrix metalloproteinase (MMP) 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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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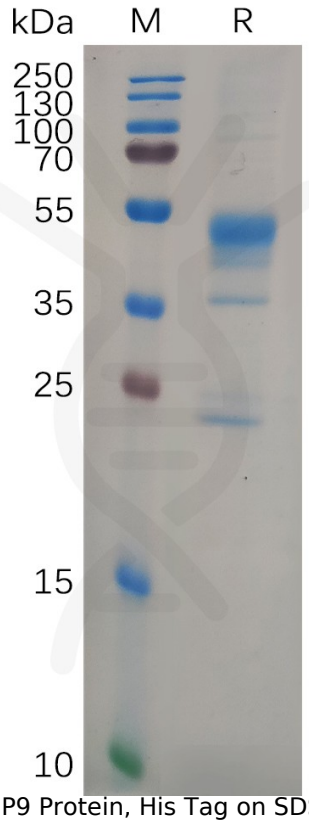


Figure 1. Human MMP9 Protein, His Tag on SDS-PAGE under reducing condition.

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