



# Recombinant Human Matrix Metalloproteinase-1 (MMP-1) [His] (DAG-WT241)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Recombinant Human Matrix Metalloproteinase-1 (MMP-1) is produced by Mammalian expression system and the target gene encoding Phe20-Asn469 is expressed with a 6His tag at the C-terminus.
<b>Purity</b>	> 95% , as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	Immunogen, calibrator / Standard
<b>Molecular Weight</b>	53kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements.
<b>Size</b>	1 mg
<b>Buffer</b>	20mM MES, 150mM NaCl, 0.05% Brij35, 10% Glycerol, pH 5.5
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C to -80°C

## BACKGROUND

<b>Introduction</b>	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
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metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.

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<b>Keywords</b>	MMP1; matrix metalloproteinase 1
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## GENE INFORMATION

<b>UniProt ID</b>	P03956
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