

Datasheet for ABIN5853523
MMP1 Protein (AA 100-469) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	MMP1
Protein Characteristics:	AA 100-469
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSFVLTEGN PRWEQTHLTY RIENYTPDLP RADVDHAIEK AFQLWSNVTP LTFTKVSEGG ADIMISFVRG DHRDNSPFDG PGGNLAHAFQ PGPGIGGDAH FDEDERWTNN FREYNLHRVA AHELGHSLGL SHSTDIGALM YPSYTFSGDV QLAQDDIDGI QAIYGRSQNP VQPIGPQTPK ACDSKLTFDA ITTIRGEVMF FKDRFYMRTN PFYPEVELNF ISVFWPQLPN GLEAAYEFAD RDEVRFKGN KYWAVQGQNV LHGYPKDIYS SFGFPRTVKH IDAALSEENT GKTYFFVANK YWRYDEYKRS MDPGYPKMIA HDFPGIGHKV DAVFMKDGFF YFFHGTQRYK FDPKTKRILT LQKANSWFNC RKN
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	MMP1
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Target Details

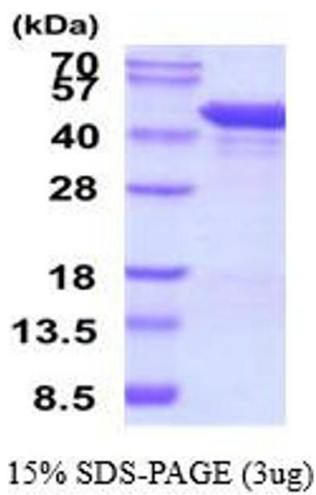
Alternative Name:	MMP1 (MMP1 Products)
Background:	MMP1 protein of the matrix metalloproteinase (MMP) family is involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. 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. Recombinant human MMP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Molecular Weight:	45.0 kDa (393aa)
NCBI Accession:	NP_002412
UniProt:	P03956

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10 % glycerol, 0.4M urea
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.