

Collagenase 3 Recombinant Protein | MMP13 recombinant protein

Recombinant Human Collagenase 3

CATALOG # AAA114036	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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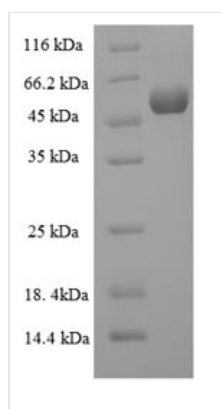
PRODUCT SYNONYMS

Collagenase 3; Recombinant Human Collagenase 3; Matrix metalloproteinase-13; MMP-13; MMP13 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	104-471. Full Length of Mature Protein
Sequence	YNVFPRTLKW SKMNLTYRIV NYTPDMTHSE VEKAFKKAFK VWSDVTPLNF TRLHDGIADI MISFGIKEHG DFYFPDGPSPG LLAHAFPPGP NYGGDAHFD DETWTSSSKG YNLFLVAAHE FGHSGLDHS KDPGALMFPI YTYTGKSHFM LPDDDVQGIQ SLYGPGDEDP NPKHPKTPDK CDPSSLDAI TSLRGETMIF KDRFFWRLHP QQVDAELFLT KSFWEPLPNR IDAAYEHP SH DLIFIFRGRK FWALNGYDIL EGYPKKISEL GLPKEVKKIS AAVHFEDTGK TLLFSGNQVW RYDDTNHIMD KDYPRLIEED FPGIGDKVDA VYEKNGYIYF FNGPIQFEYS IWSNRIVRVM PANSILWC
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MMP13 recombinant protein	Plays a role in the degradation of extracellular matrix proteins including fibrillar collagen, fibronectin, TNC and ACAN. Cleaves triple helical collagens, including type I, type II and type III collagen, but has the highest activity with soluble type II collagen. Can also degrade collagen type IV, type XIV and type X. May also function by activating or degrading key regulatory proteins, such as TGFB1 and CTGF. Plays a role in wound healing, tissue remodeling, cartilage degradation, bone development, bone mineralization and ossification. Required for normal embryonic bone development and ossification. Plays a role in the healing of bone fractures via endochondral ossification. Plays a role in wound healing, probably by a mechanism that involves proteolytic activation of TGFB1 and degradation of CTGF. Plays a role in keratinocyte migration during wound healing. May play a role in cell migration and in tumor cell invasion.
Product Categories/Family for MMP13 recombinant protein	Developmental Biology

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505209
NCBI GeneID	4322
NCBI Accession #	NP_002418.1
NCBI GenBank Nucleotide #	NM_002427.3
UniProt Accession #	P45452; Q6NWN6; A8K846; B2RCZ3
Molecular Weight	58.3 kDa
NCBI Official Full Name	collagenase 3 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 13
NCBI Official Symbol	MMP13
NCBI Official Synonym Symbols	CLG3; MANDP1; MMP-13
NCBI Protein Information	collagenase 3
UniProt Protein Name	Collagenase 3
UniProt Gene Name	MMP13
UniProt Synonym Gene Names	MMP-13
UniProt Entry Name	MMP13_HUMAN

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