

Matrix Metalloproteinase 12 (MMP12) Recombinant Protein | MMP12 recombinant protein

Recombinant Matrix Metalloproteinase 12 (MMP12)

CATALOG # AAA134246	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Matrix Metalloproteinase 12 (MMP12); Recombinant Matrix Metalloproteinase 12 (MMP12); MMP12 recombinant protein

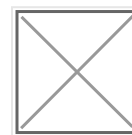
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHH HHSSEF-PG SPPSTVCHQS LSFDAVTTVG DKIFFFKDWF FWWRLPGSPA TNITSISSMW PTIPSGIQAA YEIGGRNQLF LFKDEKYWLI NNLVPEPHYP R
Sequence Length	477
Applicable Applications for MMP12 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	Pro270~Arg362 (Accession # Q63341) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	291327537
NCBI GeneID	117033

NCBI Accession #	NP_446415.2
NCBI GenBank Nucleotide #	NM_053963.2
UniProt Accession #	Q63341; Q5I0P0
Molecular Weight	12.2kDa
NCBI Official Full Name	macrophage metalloelastase preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 12
NCBI Official Symbol	Mmp12
NCBI Official Synonym Symbols	Mme
NCBI Protein Information	macrophage metalloelastase; MMP-12; matrix metalloproteinase 12; matrix metalloproteinase-12
UniProt Protein Name	Macrophage metalloelastase
UniProt Gene Name	Mmp12
UniProt Synonym Gene Names	Mmel; MME; MMP-12
UniProt Entry Name	MMP12_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mmp12-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134246>