

MMP-12 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70342
Synonyms:	rMuMacrophage metalloelastase/MMP12, His; Macrophage metalloelastase; MME; Matrix metalloproteinase-12; MMP-12; Mmp12; Mme; Mmel
Species:	Mouse
Source:	HEK293
Accession:	P34960 (A29-C473)
Gene ID:	17381
Molecular Weight:	Approximately 64.0 kDa

PROPERTIES

AA Sequence	<pre> A P M N D S E F A E W Y L S R F Y D Y G K D R I P M T K T K T N R N F L K E K L Q E M Q Q F F G L E A T G Q L D N S T L A I M H I P R C G V P D V Q H L R A V P Q R S R W M K R Y L T Y R I Y N Y T P D M K R E D V D Y I F Q K A F Q V W S D V T P L R F R K L H K D E A D I M I L F A F G A H G D F N Y F D G K G G T L A H A F Y P G P G I Q G D A H F D E A E T W T K S F Q G T N L F L V A V H E L G H S L G L Q H S N N P K S I M Y P T Y R Y L N P S T F R L S A D D I R N I Q S L Y G A P V K P P S L T K P S S P P S T F C H Q S L S F D A V T T V G E K I F F F K D W F F W W K L P G S P A T N I T S I S S I W P S I P S G I Q A A Y E I E S R N Q L F L F K D E K Y W L I N N L V P E P H Y P R S I Y S L G F S A S V K K V D A A V F D P L R Q K V Y F F V D K H Y W R Y D V R Q E L M D P A Y P K L I S T H F P G I K P K I D A V L Y F K R H Y Y I F Q G A Y Q L E Y D P L F R R V T K T L K S T S W F G C </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM PB, 500 mM NaCl, 0.01% Tween80, 1 mM EDTA, 50% Glycerol, pH 6.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

The MMP-12 protein emerges as a potential contributor to tissue injury and remodeling, demonstrating significant elastolytic activity. Its versatility is reflected in its ability to accommodate both large and small amino acids at the P1' site, displaying a preference for leucine. Furthermore, MMP-12 exhibits specificity in substrate preferences, favoring aromatic or hydrophobic residues at the P1 site, with a preference for small hydrophobic residues, particularly alanine, at the P3 site. These characteristics underscore the intricate role of MMP-12 in the modulation of extracellular matrix components, suggesting its involvement in processes related to tissue remodeling and homeostasis.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA