



# Recombinant Human Macrophage metalloelastase (MMP12)

<b>Product Code</b>	CSB-EP014659HU
<b>Relevance</b>	May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.
<b>Abbreviation</b>	Recombinant Human MMP12 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P39900
<b>Alias</b>	Macrophage elastase ;ME ;hMEMatrix metalloproteinase-12 ;MMP-12
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	GPVWRKHYITYRINNYTPDMNREDVDYAIRKAFQVWSNVTPLKFSKINTGMAD ILVVFARGAHGDFHAFDGKGGILAHAFGPGSGIGGDAHFDEDEFWTTTHSGGT NLFLTAVHEIGHSLGLGHSSDPKAVMFPTYKYVDINTFRLSADDIRGIQSLYGD PKENQRLPNPDNSEPALCDPNLSFDAVTTVGNKIFFFKDRFFWLKVSEPKTS VNLISLWPTLPSGIEAAYEIEARNQVFLFKDDKYWLISNLRPEPNYPKSIHSFG FPNFVKKIDAAVFNPRFYRTYFFVDNQYWRYDERRQMMDPGYPKLITKNFQGI GPKIDAVFYSKNKYYYYFFQGSNQFEYDFLLQRITKTLKSNSWFGC
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	MMP12
<b>Expression Region</b>	106-470aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	46.1kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	

