

Recombinant Human MMP12, His tagged

Cat. No. MMP12-1133H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP12 (NP_002417.2) precursor (Met 1-Cys 470), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Human
Source	Human Cells
ProteinLength	1-470 a.a.
Form	Lyophilized from sterile 25mM MES, 0.15 M NaCl, 10mM CaCl ₂ , 0.05% Brij 35, pH 5.5
Molecular Mass	The recombinant human MMP12 (pro form) comprises 465 amino acids and has a predicted molecular mass of 53.8 kDa. Probably as a result of autocatalysis, rhMMP12 migrates as an 28 kDa bnd in SDS-PAGE under reducing conditions, corresponding to the active catalytic domain. The 54 kDa pro form is also seen in the SDS-PAGE.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution.
Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MMP12 matrix metalloproteinase 12 (macrophage elastase) [Homo sapiens]
Official Symbol	MMP12
Gene ID	4321
mRNA Refseq	NM_002426
Protein Refseq	NP_002417
MIM	601046
UniProt ID	P39900

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