

Recombinant Human MMP12 protein, His-tagged

Cat. No. MMP12-3662H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP12 protein(231-402 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	231-402 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	DPKAVMFPTYKYVDINTFRLSADDIRGIQSLYGDPKENQRLPNPDNSEPALCDPNLS FDAVTTVGNKIFFFKDRFFWLKVSEPKTSVNLISLWPTLPSGIEAAYEIEARNQVFL FKDDKYWLISNLRPEPNYPKSIHSFGFPNFVKKIDA AVFNPRFYRTYFFVDNQYWR
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	MMP12 matrix metalloproteinase 12 (macrophage elastase) [Homo sapiens]
Official Symbol	MMP12
Synonyms	MMP12; matrix metalloproteinase 12 (macrophage elastase); matrix metalloproteinase 12 (macrophage elastase); macrophage metalloelastase; HME; macrophage elastase; matrix metalloproteinase-12; ME; MME; MMP-12; MGC138506;
Gene ID	4321
mRNA Refseq	NM_002426
Protein Refseq	NP_002417
MIM	601046
UniProt ID	P39900

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