

Recombinant Human MMP13 protein, His-tagged

Cat. No. MMP13-7853H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP13 protein(100-471 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	100-471 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	DVGEYNVFPRTLKWSKMNLTYRIVNYTPDMTHSEVEKAFKKAFKVWSDVTPLNFTR LHDGIADIMISFGIKEHGDFYPFDGPSGLLAHAFPPGPNYGGDAHFDDETWTSSSK GYNLFLVAAHEFGHSLGLDHSKDPGALMFPIYTYTGKSHFMLPDDDVQGIQSLYGP GDEDPNPKHPKTPDKCDPSLSLDAITSLRGETMIFKDRFFWRLHPQQVDAELFLT KSFWEPLPNRIDAAAYEHPSHDLIFIFRGRKFWALNGYDILEGYPKKISELGLPKEVKKISA AVHFEDTGKTLFSGNQVWRYDDTNHIMDKDYPRLIEEDFPGIGDKVDVYKNGYI YFFNGPIQFEYSIWSNRIVRVM PANSILWC
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [MMP13 matrix metalloproteinase 13 \(collagenase 3\) \[Homo sapiens \]](#)

Official Symbol [MMP13](#)

Synonyms MMP13; matrix metalloproteinase 13 (collagenase 3); matrix metalloproteinase 13 (collagenase 3); collagenase 3; CLG3; MMP-13; MANDP1;

mRNA Refseq [NM_002427](#)

Protein Refseq [NP_002418](#)

MIM [600108](#)

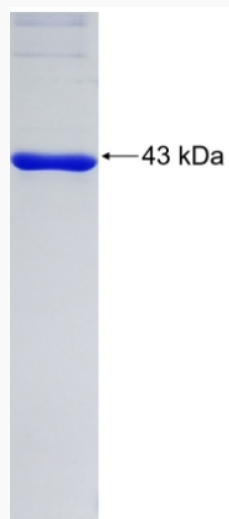
UniProt ID [P45452](#)

Gene ID [4322](#)

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SDS-PAGE

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