

Recombinant Human matrix metalloproteinase 13 Protein, His&Flag tagged

Cat. No. MMP13-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MMP13 protein (P45452) (Leu 20-Cys 471) with both His, Flag tag at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-471aa
Description	The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-13 (also designated collagenase-3) is produced by breast carcinomas and degrades collagen types I, II and III. MMP-13 has wide substrate specificity, and its physiologic expression is limited to situations in which rapid and effective remodeling of collagenous ECM takes place, such as fetal bone development and adult bone remodeling.
Tag	C-His&Flag
Molecular Mass	54.4 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION

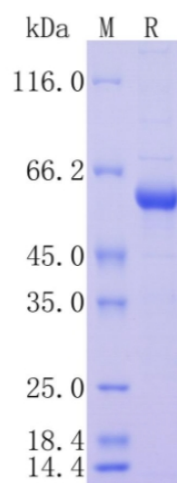
Gene Name	MMP13 matrix metalloproteinase 13 [Homo sapiens (human)]
Official Symbol	MMP13
Synonyms	MMP13; matrix metalloproteinase 13 (collagenase 3); matrix metalloproteinase 13 (collagenase 3); collagenase 3; CLG3; MMP-13; MANDP1;
Gene ID	4322
mRNA Refseq	NM_002427
Protein Refseq	NP_002418
MIM	600108
UniProt ID	P45452

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Protein on SDS-
PAGE under
reducing (R)
condition.**



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA