Recombinant Human MMP-13

Cat. No. MMP13-42H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human proMMP-13 (EC 3.4.24.--) expressed in Spodoptera frugiperda Sf9. Swiss Prot P45452
Species	Human
Source	S.frugiperda
Form	50 mM Tris pH 8.0, 800 mM NaCl, 5 mM CaCl2, 1 μM ZnCl2, 0.01% Brij-35.
Purity	>95%, homogenous by SDS-PAGE
Storage	The enzyme can be kept at -80°C for many month. Repeated freezing and thawing must be avoided. Dilute and activate only the amount of enzyme you need, do not store enzyme in reaction buffer. The active 48 kDa enzyme undergoes very fast changes into a 30 kDa form which still retains enzymatic characteristics of the 48 kDa enzyme.

GENE INFORMATION

Gene Name	MMP13 matrix metallopeptidase 13 (collagenase 3) [Homo sapiens]
Official Symbol	MMP13
Synonyms	MMP13; matrix metallopeptidase 13 (collagenase 3); matrix metalloproteinase 13 (collagenase 3); collagenase 3; CLG3; MMP-13; MANDP1;

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Gene ID	4322
mRNA Refseq	NM_002427
Protein Refseq	NP_002418
MIM	600108
UniProt ID	P45452
Chromosome Location	11q22.3
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent protein binding; fibronectin binding; low-density lipoprotein particle receptor binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;

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