

Active Recombinant Human MMP11 Protein, Tag Free

Cat. No. MMP11-160H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Produced in E. coli. Active Matrix Metalloproteinase-11 (MMP-11, Stromelysin-3) catalytic domain from human cDNA. The enzyme consists of the catalytic domain of human MMP-11 (Phe98-Ser266, NM_005940) with a C-terminal purification tag. MMPs lacking this domain cannot cleave native collagens; however, activity toward other targets such as gelatin, casein, or peptide substrates is unaffected. It may be an important link between obesity and cancer.
Species	Human
Source	E.coli
ProteinLength	98-266 aa
Form	Liquid. In 50mM TRIS, 5mM CaCl ₂ , 300mM NaCl, 20μM ZnCl ₂ , 0.5% Brij-35, and 30% glycerol.
Bio-activity	Due to its unusual substrate preferences [A(A/Q)(N/A)~(L/Y)(T/V/M/R)(R/K), or G(G/A)E~LR5], MMP-11 cleaves MMP peptide substrates extremely slowly (several hours yield very little product). Therefore, the activity of each lot of MMP-11 is verified by digestion of macromolecules.
Molecular Mass	19.3 kDa
Purity	≥95% SDS-PAGE

 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

Storage Long Term Storage: -80 centigrade

Shipping Dry Ice

GENE INFORMATION

Gene Name [MMP11 matrix metalloproteinase 11 \(stromelysin 3\) \[Homo sapiens \(human\) \]](#)

Official Symbol [MMP11](#)

Synonyms MMP11; matrix metalloproteinase 11 (stromelysin 3); matrix metalloproteinase 11 (stromelysin 3) STMY3; stromelysin-3; MMP-11; stromelysin III; ST3; SL-3; STMY3;

Gene ID [4320](#)

mRNA Refseq [NM_005940](#)

Protein Refseq [NP_005931](#)

MIM [185261](#)

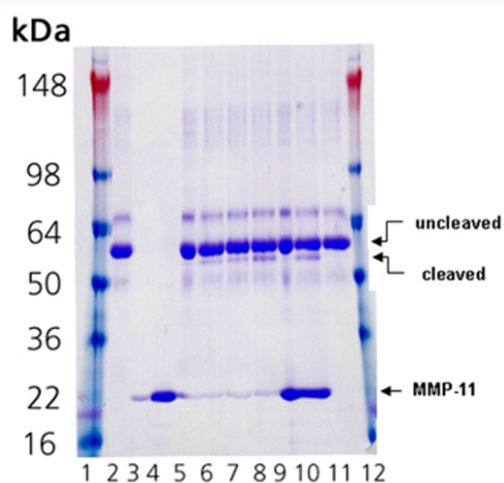
UniProt ID P24347

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