

# Native Human MMP11

**Cat. No.** MMP11-27648TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Full length Human MMP11 protein (purified from stimulated human fibroblasts) and supplied as a mixture of zymogen and processed (cleaved)forms.
<b>Species</b>	Human
<b>Description</b>	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMPs, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix.
<b>Tissue specificity</b>	Specifically expressed in stromal cells of breast carcinomas.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 50% Glycerol, 0.02% Brij 35, 5mM Calcium chloride, 100mM Sodium chloride, 10mM Tris HCl, pH 7.4
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Sequence Similarities</b>	Belongs to the peptidase M10A family.Contains 4 hemopexin-like domains.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MMP11 matrix metalloproteinase 11 (stromelysin 3) [ Homo sapiens ]
<b>Official Symbol</b>	MMP11
<b>Synonyms</b>	MMP11; matrix metalloproteinase 11 (stromelysin 3); matrix metalloproteinase 11 (stromelysin 3) , STMY3; stromelysin-3;
<b>Gene ID</b>	4320
<b>mRNA Refseq</b>	NM_005940
<b>Protein Refseq</b>	NP_005931
<b>MIM</b>	185261
<b>Uniprot ID</b>	P24347
<b>Chromosome Location</b>	22q11.23
<b>Pathway</b>	Matrix Metalloproteinases, organism-specific biosystem;
<b>Function</b>	calcium ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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