

Native Human MMP11

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

SPECIFICATION

Product Overview	Full length Human MMP11 protein (purified from stimulated human fibroblasts) and supplied as a mixture of zymogen and processed (cleaved)forms.
Species	Human
Description	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.
Tissue specificity	Specifically expressed in stromal cells of breast carcinomas.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.02% Brij 35, 5mM Calcium chloride, 100mM Sodium chloride, 10mM Tris HCl, pH 7.4
Storage	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  Fax: 1-631-938-8127

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

Sequence Similarities Belongs to the peptidase M10A family.Contains 4 hemopexin-like domains.

Full Length Full L.

GENE INFORMATION

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

Official Symbol MMP11

Synonyms MMP11; matrix metalloproteinase 11 (stromelysin 3); matrix metalloproteinase 11 (stromelysin 3) , STMY3; stromelysin-3;

Gene ID 4320

mRNA Refseq NM_005940

Protein Refseq NP_005931

MIM 185261

Uniprot ID P24347

Chromosome Location 22q11.23

Pathway Matrix Metalloproteinases, organism-specific biosystem;

Function calcium ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;

 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