

Recombinant human Matrilysin (rMMP-7)

CATALOG NUMBER:	A121
SOURCE:	Recombinant MMP-7 produced in <u>E. coli</u> .
FORM:	Clear solution
SPECIFIC ACTIVITY:	> 3,100 U/mg protein
BUFFER:	10 mM HEPES (pH 7.4), 0.15 M NaCl, 5 mM CaCl ₂
ANALYSIS:	Single band at 20 kD by SDS-PAGE. This recombinant protein has the exact amino acid sequence as native human MMP-7.
ADDITIONAL INFORMATION:	Human Matrilysin (MMP-7) is known as a matrix metalloproteinase. Its mRNA is present in uterus and placenta and also in biopsy material from prostate cancer patients as well as gastric and colon carcinomas. MMP-7 is secreted as a latent precursor (ProMMP-7) and activated by organomercurials such as p-aminophenylmercuric acetate. Activated MMP-7 preferably degrades collagen type IV, gelatin, fibronectin, proteoglycan, laminin, elastin, and casein. MMP-7 activity is inhibited by the tissue inhibitor of metalloproteinases. Activation is thought to be a key point in the regulation of metastasis.
STORAGE:	-80 ^o C long term. Avoid freeze thaw cycles.
INTENDED USE:	For Research Use Only. Not intended for diagnostic use. Suitable for use in immunoassay development or other applications.