

PRODUCT INFORMATION SUMMARY

Human MMP-2

Purified Factor	Product Number	HC411212B	10.0 ug
	Product Number	HC411212A	2.0 ug

DESCRIPTION:

Human MMP-2, known as Matrix Metalloproteinase-2 or Gelatinase-A, is a catalytic protease dependant upon calcium and zinc for their activity. This and related enzymes are involved in extracellular matrix stability. Elevated expression of these enzymes have been implicated in various degenerative disorders including cardiovascular disease, cancer, bone growth plate disorders, and arthritis. Human MMP-2 expressed as 62.0 kDa protein with 552 aa. residues with both the catalytic N-terminal and the C-terminal domains.

SOURCE: E. Coli
Purity > 91% by HPLC analysis
Endotoxin < 0.1 ng per ug MMP-2
Sterile filtered and lyophilized.

BIOLOGICAL ACTIVITY:

Measured ability to cleave MMP-2 substrate in chromogenic assay at room temp. 50% cleavage achieved at 2.6 ug/mL MMP-2 concentration with 25 minute incubation.

HANDLING AND STORAGE:

Purified MMP-2 factor is provided lyophilized with no additives. Store lyophilized, at -20 ° C. Upon reconstitution with distilled (or sterile) water to concentration of approx. 100.0 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C, **with addition of 0.1% BSA**, for long-term storage- up to 3 months, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE