9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-20518: Recombinant Human MMP-3(Discontinued)

Reactivity : Mouse
Alternative Name : Matrix Metalloproteinase-3, Stromelysin-1, SL-1, Transin-1

Description

Source:E.coli Matrix metalloproteinases (MMPs) are a family of endoproteases that require zinc and calcium for expressing catalytic activity. These enzymes play a central role in the maintenance and remodeling of the extracellular matrix. Elevated expression of their activity, caused either by up-regulation of their expression or down-regulation of their cognate inhibitors, has been implicated in various degenerative disorders, including arthritis, cardiovascular disease, skeletal growth-plate disorders, and cancer metastasis. MMP-3 degrades fibronectin, laminin, collagens III, IV, and X, and cartilage proteoglycans. Recombinant Human MMP-3 is a 42.8 kDa protein containing the entire catalytic N-terminal domain and the C-terminal domain (378 amino acids).

Product Info

Amount : 2 µg / 10 µg
Purification : Purity:>= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MRTFPGIPKW RKTHLTYRIV NYTPDLPKDA VDSAVEKALK VWEEVTPLTF SRLYEGEADI MISFAVREHG DFYPFDGPGN VLAHAYAPGP GINGDAHFDD DEQWTKDTTG TNLFLVAAHE IGHSLGLFHS ANTEALMYPL YHSLTDLTRF RLSQDDINGI QSLYGPPPDS PETPLVPTEP VPPEPGTPAN CDPALSFDAV STLRGEILIF KDRHFWRKSL RKLEPELHLI SSFWPSLPSG VDAAYEVTSK DLVFIFKGNQ FWAIRGNEVR AGYPRGIHTL GFPPTVRKID AAISDKEKNK TYFFVEDKYW RFDEKRNSME PGFPKQIAED FPGIDSKIDA VFEEFGFFYF FTGSSQLEFD PNAKKVTHTL KSNSWLNC

Application Note

MMP-3 activity was measured by its ability to cleave a chromogenic peptide MMP-3 substrate at room temperature. At a MMP-3 concentration of 2.5 Ã□Âµg/ml, 50% cleavage was achieved at an incubation time of approximately 75 minutes.