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

32-20517: Recombinant Human MMP-2(Discontinued)

Reactivity : Human, Mouse
Alternative Name : Matrix Metalloproteinase-2, Gelatinase A, TBE-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-2 is a secreted collagenase with specificity toward Type IV, V, VII, and X collagens. Recombinant Human MMP-2 is a 62.0 kDa protein containing the entire catalytic N-terminal domain and the C-terminal domain (552 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 : MYNFFPRKPK WDKNQITYRI IGYTPDLDPE TVDDAFARAF QVWSDVTPLR FSRIHDGEAD IMINFGRWEH GDGYPFDGKD GLLAHAFAPG TGVGGDSHFD DDELWTLGEG QVVRVKYGNA DGEYCKFPFL FNGKEYNSCT DTGRSDGFLW CSTTYNFEKD GKYGFCPHEA LFTMGGNAEG QPCKFPFRFQ GTSYDSCTTE GRTDGYRWCG TTEDYDRDKK YGFCPETAMS TVGGNSEGAP CVFPFTFLGN KYESCTSAGR SDGKMWCATT ANYDDDRKWG FCPDQGYSLF LVAAHEFGHA MGLEHSQDPG ALMAPIYTYT KNFRLSQDDI KGIQELYGAS PDIDLGTGPT PTLGPVTPEI CKQDIVFDGI AQIRGEIFFF KDRFIWRTVT PRDKPMGPLL VATFWPELPE KIDAVYEAPQ EEKAVFFAGN EYWIYSASTL ERGYPKPLTS LGLPPDVQRV DAAFNWSKNK KTYIFAGDKF WRYNEVKKKM DPGFPKLIAD AWNAIPDNLD AVVDLQGGGH SYFFKGAYYL KLENQSLKSV KFGSIKSDWL GC

Application Note

MMP-2 activity was measured by its ability to cleave a chromogenic peptide MMP-2 substrate at room temperature. At an MMP-2 concentration of 2.5 Ã□Âµg/ml, 50% cleavage was achieved at an incubation time of approximately 25 minutes.

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