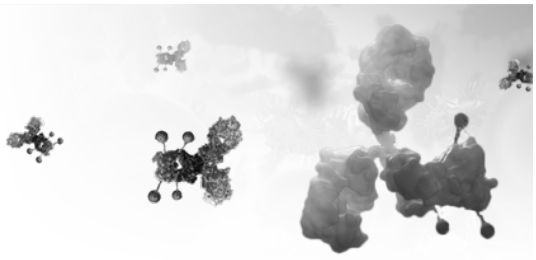

Human MMP3 peptide (DAG-P0822)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the peptidase M10A family.Contains 4 hemopexin-like domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MMP3 matrix metallopeptidase 3 (stromelysin 1, progelatinase) [Homo sapiens (human)]
Official Symbol	MMP3
Synonyms	MMP3; matrix metallopeptidase 3 (stromelysin 1, progelatinase); SL-1; STMY; STR1; CHDS6; MMP-3; STMY1; stromelysin-1; transin-1; proteoglycanase; matrix metalloproteinase-3; matrix

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	metalloproteinase 3 (stromelysin 1, progelatinase);
Entrez Gene ID	4314
mRNA Refseq	NM_002422.3
Protein Refseq	NP_002413.1
UniProt ID	P08254
Chromosome Location	11q22.3
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Collagen degradation, organism-specific biosystem; Collagen degradation, organism-specific biosystem; Collagen formation, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; EGFR Transactivation by Gastrin, organism-specif
Function	calcium ion binding; metalloendopeptidase activity; zinc ion binding;

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