MMP26 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	MMP26, Blocking Peptide
Full Product Name	MMP26 Peptide - C-terminal region
Product Gene Name	MMP26 blocking peptide
Product Synonym Gene Name	MGC126590; MGC126592
Sequence	NLFLVATHEI GHSLGLQHSG NQSSIMYPTY WYHDPRTFQL SADDIQRIQH
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	MMP26 peptide (MBS3238369) is used for blocking the activity of MMP26 antibody (MBS3213425)
Molecular Weight	19kDa
OMIM	AF230354 mRNA
Product Categories/Family for MMP26 blocking peptide	Peptide
Applications Tested/Suitable for MMP26 blocking peptide	Western Blot (WB)
Related Product Information for MMP26 blocking peptide	This is a synthetic peptide designed for use in combination with anti-MMP26 Antibody, made Target 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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The encoded protein degrades type IV collagen, fibronectin, fibrinogen, casein, vitronectin, alpha 1-antitrypsin, alpha 2-macroglobulin, and insulin-like growth factor-binding protein 1, and activates MMP9 by cleavage. The protein differs from most MMP family members in that it lacks a conserved C-terminal protein domain.
Other Notes	Small volumes of MMP26 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MMP26 purchase	MBS3238369 is a blocking peptide targeting MMP26. Also known as MMP26 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MMP26. It may not necessarily be applicable to this product.

NCBI GI #	73808266
NCBI GeneID	56547
NCBI Accession #	NP_068573
UniProt Primary Accession #	Q9NRE1
UniProt Related Accession #	Q9NRE1

GenBank Nucleotide #	NM_021801
NCBI Official Full Name	matrix metalloproteinase-26 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 26
NCBI Official Symbol	MMP26
UniProt Protein Name	Matrix metalloproteinase-26
UniProt Synonym Protein Names	Endometase; Matrilysin-2
Protein Family	Matrix metalloproteinase
UniProt Gene Name	MMP26
UniProt Synonym Gene Names	MMP-26
NCBI Protein Information	matrix metalloproteinase-26
NCBI Summary for MMP26	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. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme may degrade collagen type IV, fibronectin, fibrinogen, and beta-casein, and activate matrix metalloproteinase-9 by cleavage. The protein differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The encoded protein may promote cell invasion in multiple human cancers. [provided by RefSeq, May 2016]
UniProt Comments for MMP26	May hydrolyze collagen type IV, fibronectin, fibrinogen, beta-casein, type I gelatin and alpha-1 proteinase inhibitor. Is also able to activate progelatinase B.
Research Articles on MMP26	**1.** MMP26 is overexpressed in prostatic neoplasms patients, and can serve as a serum disease biomarker.
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