10320 Camino Santa Fe, Suite G
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MMP26 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP19884c

Specification

MMP26 Blocking Peptide (Center) - Product Information

Primary Accession	Q9NRE1
Other Accession	NP_068573.2

MMP26 Blocking Peptide (Center) - Additional Information

Gene ID 56547

Other Names
Matrix metalloproteinase-26, MMP-26, 3424-, Endometase, Matrilysin-2, MMP26

Target/Specificity
The synthetic peptide sequence is selected from aa 111-125 of HUMAN MMP26

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MMP26 Blocking Peptide (Center) - Protein Information

Name MMP26

Function
May hydrolyze collagen type IV, fibronectin, fibrinogen, beta-casein, type I gelatin and alpha-1 proteinase inhibitor. Is also able to activate progelatinase B.

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Expressed specifically in uterus and placenta. Is also widely expressed in malignant tumors from different sources as well as in diverse tumor cell lines

MMP26 Blocking Peptide (Center) - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

MMP26 Blocking Peptide (Center) - Images

MMP26 Blocking Peptide (Center) - Background

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.

MMP26 Blocking Peptide (Center) - References

de Amorim, R.F., et al. Acta Odontol. Scand. 68(4):228-231(2010)
Ban, J.Y., et al. Life Sci. 86 (19-20), 756-759 (2010) :
Deng, Y., et al. Oncol. Rep. 23(1):69-78(2010)
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
Liu, J., et al. Reprod. Biol. Endocrinol. 8, 5 (2010) :