

MMP-19 Protein, Human

Cat. No.:	HY-P75929
Synonyms:	Matrix metalloproteinase-19; MMP-19; MMP-18; RASI
Species:	Human
Source:	E. coli
Accession:	Q99542-1 (L101-G256)
Gene ID:	4327
Molecular Weight:	Approximately 18 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of 0.1% TFA, 30% CAN.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background

MMP-19 (Matrix Metalloproteinase-19) is an endopeptidase with a crucial role in degrading various components of the extracellular matrix, including aggrecan and cartilage oligomeric matrix protein (COMP), particularly during development, haemostasis, and pathological conditions such as arthritic diseases. Additionally, MMP-19 may contribute to neovascularization or angiogenesis, suggesting its involvement in processes associated with new blood vessel formation. The enzyme exhibits a broad substrate specificity, hydrolyzing key extracellular matrix proteins, such as collagen type IV, laminin, nidogen, nasrin-C isoform, fibronectin, and type I gelatin. MMP-19's ability to cleave diverse substrates underscores its significance in tissue remodeling and repair, as well as its potential implication in pathological conditions characterized by aberrant extracellular matrix turnover. (

Caution: Product has not been fully validated for medical applications. For research use only.

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