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Recombinant human MMP9 protein, His

Catalog Number:	bs-41146P
Concentration:	＞0.5 mg/ml
AA Seq:	113-450/707
Predicted MW:	37.5
Detected MW:	36 kDa
Tags:	His
Activity:	Not tested
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Purification:	AC
Form:	Liquid
Storage:	20mM Tris-HCl with 150mM NaCl. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	bs-7059P is one synthetic peptide derived from human MMP-9. 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 enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES

The purity of the protein is greater than 80% as determined by reducing SDS-PAGE.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PRODUCT SPECIFIC PUBLICATIONS

[IF=19] Yuancai Ge. et al. Rapid and Scalable Preparation of Highly Uniform, Atomically Thin MSe2 (M = Ti, Nb, Ta) Nanosheets as Ultra-Sensitive SERS Substrates for Lateral Flow Immunoassay. ADV FUNCT MATER. 2025 Jan;:2420786 LFIA ; . 10.1002/adfm.202420786

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