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## Product Datasheet

### Recombinant Human MMP-9 (C-6His) EBT-EPT028

Artikelname	Recombinant Human MMP-9 (C-6His)
Artikelnummer	EBT-EPT028
Hersteller Artikelnummer	EPT028
Alternativnummer	EBT-EPT028-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Human Matrix Metalloproteinase-9 is produced by our Mammalian expression system and the target gene encoding Ala19-Asp707 is expressed with a 6His tag at the C-terminus. The proenzyme needs to be activated by APMA for an activated form....
Molekulargewicht	Molecular weight: 77.4 KDa. Apparent molecular weight: 90 KDa, reducing conditions
UniProt	AAH06093.1
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung

Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.  
Background: Matrix metalloproteinase 9 (MMP-9) is an enzyme encoded by the MMP9 gene. This protein, which is produced by normal alveolar macrophages and granulocytes, can be activated by 4-aminophenylmercuric acetate and phorbol ester and up-regulated by ARHGEF4, SPATA13 and APC via the JNK signaling pathway in colorectal tumor cells. MMP-9 is involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, angiogenesis, bone development, wound healing, cell migration, learning and memory, as well as in pathological processes, such as arthritis, intracerebral hemorrhage, and metastasis.