

## Product datasheet for **TP727191**

### Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human Matrix Metalloproteinase-9/MMP-9 (C-6His)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	Ala19-Asp707
<b>Tag:</b>	C-His
<b>Buffer:</b>	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 2mM CaCl <sub>2</sub> , 150mM NaCl, 0.05% Brij35(w/v), pH 7.5.
<b>Note:</b>	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.
<b>Storage:</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Stability:</b>	12 months from date of despatch
<b>Synonyms:</b>	Matrix metalloproteinase-9;92 kDa gelatinase;92 kDa type IV collagenase;Gelatinase B;MMP9
<b>Summary:</b>	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.



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