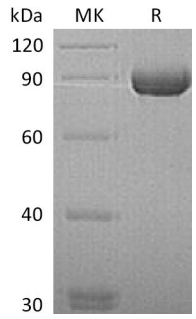
Product Name: Recombinant Human MMP-9 (C-6His)
Catalog #: PHH1170

Summary

Name	MMP-9/metalloproteinase-9/CLG4B
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH06093.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	77.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Hepes,10% Sucrose,150mM NaCl,0.05% Tween 80,2mM CaCl2,pH8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Matrix metalloproteinase-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; MMP9
Background	Matrix metallopeptidase 9 (MMP-9) is an enzyme encoded by the MMP9 gene.

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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.

Note

For Research Use Only , Not for Diagnostic Use.