Recombinant Human MMP-3 (C-6His)

Catalog No: C378

Description	Recombinant Human Matrix Metalloproteinase-3 is produced by our Mammalian expression system and the target gene encoding Tyr18-Cys477 is expressed with a 6His tag at the C-terminus.
Expression System	Human cells
Alternative name	Stromelysin-1; SL-1; Matrix metalloproteinase-3; MMP-3; Transin-1; MMP3; STMY1
Accession No.	AAA36321.1
Predicted Molecular Weight	53.26kDa
Apparent Molecular Weight	52kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.05% Brij35, 10% Glycerol Note: The proenzyme needs to be activated by APMA.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Background	MMP3 is a member of the matrix metalloproteinase (MMP) family whose members are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes including arthritis and metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling.[3] The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

SDS-PAGE