Product Name: Recombinant Human MMP-3 (C-6His)
Catalog #: PHH1169

Summary

Name	MMP-3/Matrix metalloproteinase-3
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-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.The proenzyme needs to be activated by Chymotrypsin for an activated form.
Accession #	AAA36321.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	53.26 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.05% Brij35, 10% Glycerol, pH 7.5.
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

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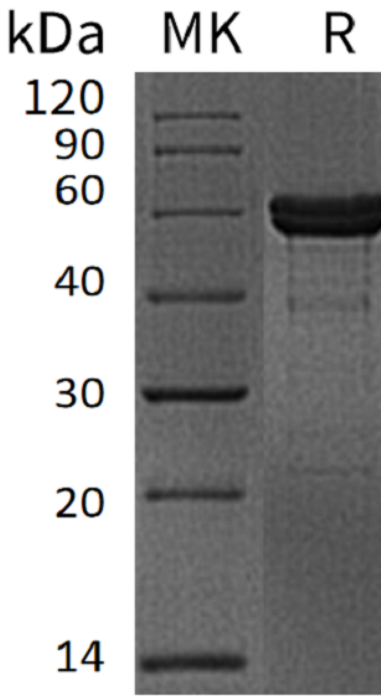

Alternative Names

Stromelysin-1; SL-1; Matrix metalloproteinase-3; MMP-3; Transin-1; MMP3; STMY1

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.

Note

For Research Use Only , Not for Diagnostic Use.