

Specifications:

Gene:	hMMP3
Accession:	AAA36321.1
Insert size:	1447bp
Concentration:	10µg at 0.2µg/µL

**hMMP-3 cDNA
Plasmid**

**MMP3 matrix metalloproteinase
3 [*Homo sapiens* (human)]**

Also known as: SL-1; STMY; STR1;
CHDS6; MMP-3; STMY1

Summary:

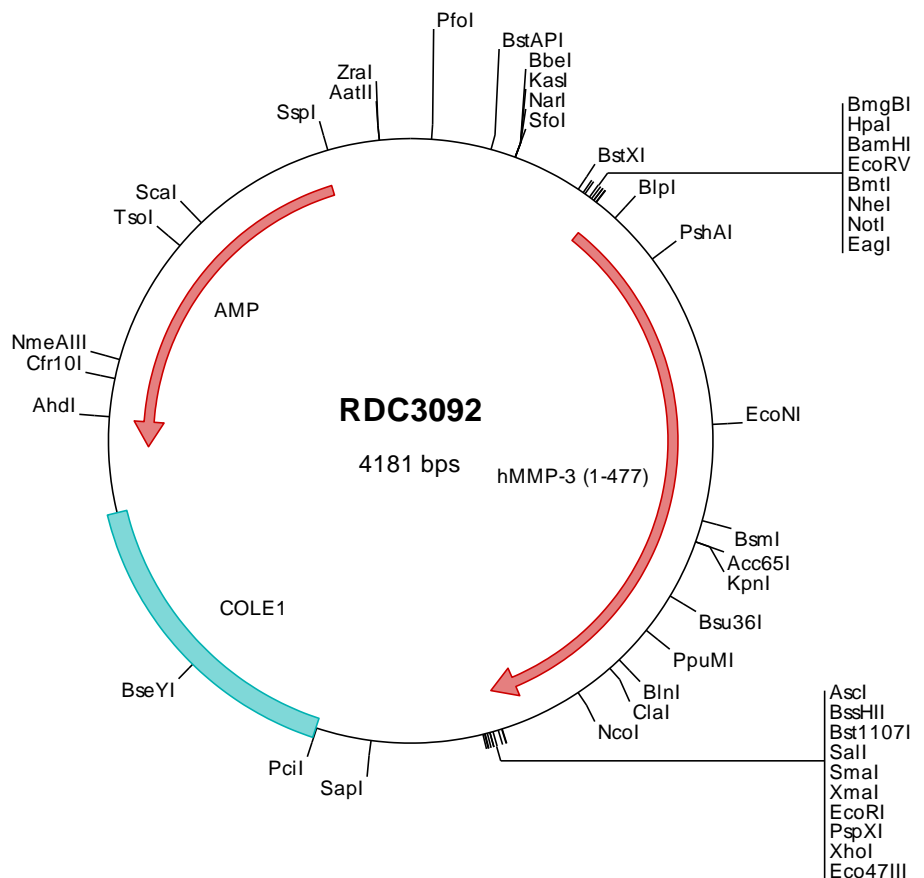
MMP3 is a member of the matrix metalloproteinase (MMP) family which are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. MMP3 is an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. It is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3092 Plasmid DNA Sequence

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> RDC3092 Translated Insert Sequence

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