

# Native Human MMP-2/TIMP-2 Complex

**Cat. No.** MMP2-47H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Matrix Metalloproteinase 2 (MMP-2, Gelatinase A, 72 kDa Type IV Collagenase, EC 3.4.24.24) prepared from human fibroblasts
<b>Species</b>	Human
<b>Source</b>	Human Fibroblasts
<b>Form</b>	Liquid, in 50 mM Tris/HCl, pH 7.0, 200 mM NaCl, 5 mM CaCl <sub>2</sub> , 1 μM ZnCl <sub>2</sub> , 0.05% NaN <sub>3</sub> , 0.05% Brij 35
<b>Purity</b>	>95%, homogenous by electrophoresis and Western Blotting analysis
<b>Storage</b>	If stored at -70°C. The enzyme can be kept at -20°C for several weeks without significant loss of activity. Repeated freezing and thawing must be avoided. Do always keep the enzyme on ice. If kept at room temperature for hours without substrate the enzyme loses significant activity!

## GENE INFORMATION

<b>Gene Name</b>	MMP2 matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) [ Homo sapiens ]
<b>Official Symbol</b>	MMP2
<b>Synonyms</b>	MMP2; matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV)

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

collagenase); CLG4, CLG4A, matrix metalloproteinase 2 (gelatinase A, 72kD gelatinase, 72kD type IV collagenase) , matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase); 72 kDa type IV collagenase; TBE 1; MMP-2; gelatinase A; 72 kDa gelatinase; collagenase type IV-A; neutrophil gelatinase; matrix metalloproteinase-2; matrix metalloproteinase-II; CLG4; MONA; CLG4A; TBE-1; MMP-II;

**Gene ID** [4313](#)

**mRNA Refseq** [NM\\_001127891](#)

**Protein Refseq** [NP\\_001121363](#)

**MIM** [120360](#)

**UniProt ID** [P08253](#)

**Chromosome Location** 16q13-q21

**Pathway** ATF-2 transcription factor network, organism-specific biosystem; Activation of Matrix Metalloproteinases, organism-specific biosystem; Angiotensin receptor Tie2-mediated signaling, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Diabetes pathways, organism-specific biosystem;

**Function** metal ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA