

# Native Human MMP-9/Lipocalin Complex

**Cat. No.** MMP9-39H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Matrix Metalloproteinase 9 – Lipocalin complex (MMP-9-Lipocalin, Gelatinase B, 92-kDa Type IV Collagenase, EC 3.4.24.35). Prepared from human blood certified to be negative for HBsAg and for antibodies to HIV and HCV.
<b>Species</b>	Human
<b>Source</b>	Human Neutrophil
<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>	>93%, homogenous by electrophoresis and Western Blotting analysis
<b>Storage</b>	The proenzyme is very stable if stored at -70°C. Repeated freezing and thawing must be avoided.

## GENE INFORMATION

<b>Gene Name</b>	MMP9 matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	MMP9
<b>Synonyms</b>	MMP9; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); CLG4B, matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase,

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92kD type IV collagenase) , matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); matrix metalloproteinase-9; 92 kDa gelatinase; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); GELB; CLG4B; MMP-9; MANDP2;

**Gene ID** [4318](#)

**mRNA Refseq** [NM\\_004994](#)

**Protein Refseq** [NP\\_004985](#)

**MIM** [120361](#)

**UniProt ID** [P14780](#)

**Chromosome Location** 20q12-q13

**Pathway** Activation of Matrix Metalloproteinases, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;

**Function** collagen binding; fibronectin binding; metal ion binding; metalloendopeptidase activity; peptidase activity; protein binding; protein complex binding; zinc ion binding;

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