

Active Recombinant Human MMP2 protein

Cat. No. MMP2-889H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MMP2 protein(NP_004521.1) (Met 1-Cys 660) was expressed and purified in Human Cells.
Species	Human
Source	Human Cells
ProteinLength	1-660 aa
Form	Lyophilized from sterile 0.05 % Brij-35, 150 mM NaCl, 5 mM CaCl ₂ , 50 mM Tris, pH 7.5.
Bio-activity	1. Measured by its ability to cleave the fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH ₂ . The specific activity is > 1,000 pmoles/min/μg. 2. Measured by its binding ability in a functional ELISA. 3. Immobilized human MMP2 at 10 μg/mL (100 μl/well) can bind human TIMP2/Fc. The EC ₅₀ of human TIMP2/Fc is 0.02 μg/mL.
Molecular Mass	The recombinant human MMP2 consists of 631 amino acids and migrates as an 72 kDa band as predicted in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> (74.7+17.3) % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

MMP2 matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) [Homo sapiens]

Official Symbol

MMP2

Synonyms

MMP2; matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV 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

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