

Recombinant Human MMP17, Catalytic Domain, His-tagged

Cat. No. MMP17-609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP17 produced in E.coli was fused to a His-tag at the C-terminus. The catalytic domain of human MMP-17 is produced by tryptic activation of a recombinant soluble proform.
Species	Human
Source	E.coli
Description	Proteins of the matrix metalloproteinase (MMP) family 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. Most MMP"s are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The protein encoded by this gene is considered a member of the membrane-type MMP (MT-MMP) subfamily. However, this protein is unique among the MT-MMP"s in that it is a GPI-anchored protein rather than a transmembrane protein. The protein activates MMP-2 by cleavage.
Purity	≥90% (SDS-PAGE).
Formulation	Liquid. 50mM TRIS-HCl, pH 7.5 containing 150mM NaCl, 5mM CaCl ₂ , 1% glycerol and 0.1% Triton X-100.
Concentration	0.2mg/ml.

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Specific Activity ≥6mU/mg protein. One unit is defined as the amount of enzyme that hydrolyzes 1μmol M ca-Pro-Leu-Gly-Leu-Dpa-Ala-Arg-NH₂ per min. at 37°C, pH 7.5.

Storage Store at -80°C.

GENE INFORMATION

Gene Name [MMP17 matrix metalloproteinase 17 \(membrane-inserted\) \[Homo sapiens \]](#)

Synonyms MMP17; matrix metalloproteinase 17 (membrane-inserted); MT4-MMP; matrix metalloproteinase-17; MMP-17; MT4MMP; MTMMP4; MT-MMP 4; membrane-type matrix metalloproteinase 4; membrane-type-4 matrix metalloproteinase; matrix metalloproteinase 17 (membrane-inserted); EC 3.4.24.-; Matrix metalloproteinase-17

Gene ID [4326](#)

mRNA Refseq [NM_016155](#)

Protein Refseq [NP_057239](#)

MIM [602285](#)

UniProt ID [Q9ULZ9](#)

Chromosome Location 12q24.3

Function calcium ion binding; enzyme activator activity; metalloendopeptidase activity; peptidase activity; zinc ion binding

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