

Active Recombinant Human MMP17 protein, His-tagged

Cat. No. MMP17-26H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP17 (Ala39-Ser531 (Arg125Pro) & (Ala182Thr)) fused with His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	39-531 a.a.
Predicted N Terminal	Ala39
Form	Supplied as a 0.2 µm filtered solution in MES, NaCl, CaCl ₂ and Glycerol.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH ₂ . The specific activity is >150 pmol/min/µg.
Molecular Mass	Predicted Molecular Mass: 47 kDa;SDS-PAGE: 56-65 kDa, reducing conditions.
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Stability	Avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 centigrade as supplied.3 months, -20 to -70 centigrade under sterile conditions after opening.

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GENE INFORMATION

Gene Name	MMP17 matrix metalloproteinase 17 (membrane-inserted) [Homo sapiens]
Official Symbol	MMP17
Synonyms	MMP17; matrix metalloproteinase 17 (membrane-inserted); matrix metalloproteinase 17 (membrane inserted); matrix metalloproteinase-17; MT4 MMP; MMP-17; MT4MMP; MTMMP4; MT-MMP 4; membrane-type matrix metalloproteinase 4; membrane-type-4 matrix metalloproteinase; matrix metalloproteinase 17 (membrane-inserted); MT4-MMP;
Gene ID	4326
mRNA Refseq	NM_016155
Protein Refseq	NP_057239
MIM	602285
UniProt ID	Q9ULZ9
Chromosome Location	12q24.3
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
Function	calcium ion binding; enzyme activator activity; metalloendopeptidase activity;

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peptidase activity; zinc ion binding;

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