Active Recombinant Human MMP7 protein, His-tagged

Cat. No. MMP7-0504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP7 protein(Leu18-Lys267), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	18-267 a.a.
Form	Supplied as 0.2 μm filtered solution in 10 mM HEPES,150 mM NaCl,pH7.5 with glycerol as protectant.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH2. The specific activity is >600 pmol/min/μg.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 29.7 kDa. The protein migrates as 30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Leu18-Lys267
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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	MMP7 matrix metallopeptidase 7 (matrilysin, uterine) [Homo sapiens]
Official Symbol	MMP7
Synonyms	MMP7; matrix metallopeptidase 7 (matrilysin, uterine); matrix metalloproteinase 7 (matrilysin, uterine) , MPSL1; matrilysin; PUMP 1; matrin; pump-1 protease; uterine matrilysin; uterine metalloproteinase; matrix metalloproteinase-7; matrix metalloproteinase 7 (matrilysin, uterine); MMP-7; MPSL1; PUMP-1;
Gene ID	4316
mRNA Refseq	NM_002423
Protein Refseq	NP_002414
MIM	178990
UniProt ID	P09237

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