



# Recombinant Human Matrix metalloproteinase-19 (MMP19)

<b>Product Code</b>	CSB-EP857450HU-B
<b>Abbreviation</b>	MMP19
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q99542
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	YLL LGRWRKKHLT FRILNLPSTL PPHTARAALR QAFQDWSNVA PLTFQEVQAG AADIRLSFHG RQSSYCSNTF DGPGRVLAHA DIPELGSVHF DEDEFWTEGT YRGVNLRIIA AHEVGHALGL GHSRYSQALM APVYEGYRPH FKLHPDDVAG IQALYGKKSP VIRDEEEET ELPTVPPVPT EPSPMPDPCS SELDAMMLGP RGKTYAFKGD YVWTVSDSGP GPLFRVSALW EGLPGNLDA VYSPRTQWIH FFKGDKVWRY INFKMSPGFP KKLNRVEPNL DAALYWPLNQ KVFLFKGSGY WQWDELARTD FSSYPKPIKG LFTGVPNQPS AAMSWQDGRV YFFKGK VYWR LNQQLRVEKG YPRNISHNWM HCRPRTIDTT PSGGNTTPSG TGITLDTTLS ATETTFEY
<b>Source</b>	E.coli
<b>Target Names</b>	MMP19
<b>Protein Names</b>	Recommended name: Matrix metalloproteinase-19 Short name= MMP-19 EC= 3.4.24.- Alternative name(s): Matrix metalloproteinase RASI Matrix metalloproteinase-18 Short name= MMP-18
<b>Expression Region</b>	98-508
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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. This protein is expressed in human epidermis and it has a role in cellular proliferation as well as migration and adhesion to type I collagen. Multiple transcript variants encoding distinct isoforms have been identified for this



gene.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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