



Recombinant Human Matrix metalloproteinase-19 (MMP19)

Product Code	CSB-MP857450HU
Abbreviation	MMP19
Storage	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.
Uniprot No.	Q99542
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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 YFFKGKVVWR LNQQLRVEKG YPRNISHNWM HCRPRTIDTT PSGGNTTPSG TGITLDTTLS ATETTFEY
Source	Mammalian cell
Target Names	MMP19
Protein Names	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
Expression Region	98-508
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.

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.

Shelf Life

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.