



Recombinant Human Matrix metalloproteinase-25 (MMP25)

Product Code	CSB-EP885679HU
Abbreviation	MMP25
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.	Q9NPA2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	YAL SGSVWKKRTL TWRVRSFPQS SQLSQETVRV LMSYALMAWG MESGLTFHEV DSPQGQEPDI LIDFARAFHQ DSYPFDGLGG TLAHAFFPGE HPISGDTHFD DEETWTFGSK DGEGETDLFAV AVHEFGHALG LGHSSAPNSI MRPFYQGPVG DPKYRLSQD DRDGLQQLYG KAPQTPYDKP TRKPLAPPQ PPASPTHSPS FPIPDRCEGN FDAIANIRGE TFFFKGPWFV RLQPSGQLVS PRPARLHRFW EGLPAQVRVV QAAYARHRDG RILLFSGPQF WVFQDRQLEG GARPLTELGL PPGEEVDAVF SWPQNGKTYL VRGRQYWRYD EAAARPDGY PRDLSLWEGA PPSPDDVTVS NAGDTYFFKG AHYWRFPKNS IKTEPDAPQP MGNWLD CPA PSSGPRAPRP PKATPVSETC DCQCELNQA
Source	E.coli
Target Names	MMP25
Protein Names	Recommended name: Matrix metalloproteinase-25 Short name= MMP-25 EC= 3.4.24.- Alternative name(s): Leukolysin Membrane-type matrix metalloproteinase 6 Short name= MT-MMP 6 Short name= MTMMP6 Membrane-type-6 matr
Expression Region	108-539
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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, This protein is a member of the membrane-type MMP



(MT-MMP) subfamily, attached to the plasma membrane via a glycosylphosphatidyl inositol anchor. In response to bacterial infection or inflammation, the encoded protein is thought to inactivate alpha-1 proteinase inhibitor, a major tissue protectant against proteolytic enzymes released by activated neutrophils, facilitating the transendothelial migration of neutrophils to inflammatory sites. The encoded protein may also play a role in tumor invasion and metastasis through activation of MMP2. The gene has previously been referred to as MMP20 but has been renamed MMP25.

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.