Recombinant Mouse Neutrophil collagenase (Mmp8)

Product Code	CSB-MP014678MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O70138
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	LTPGSPKWTH TNLTYRIINH TPQLSRAEVK TAIEKAFHVW SVASPLTFTE ILQGEADINI AFVSRDHGDN SPFDGPNGIL AHAFQPGQGI GGDAHFDSEE TWTQDSKNYN LFLVAAHEFG HSLGLSHSTD PGALMYPNYA YREPSTYSLP QDDINGIQTI YGPSDNPIQP TGPSTPKACD PHLRFDATTT LRGEIYFFKD KYFWRRHPQL RTVDLNFISL FWPFLPNGLQ AAYEDFDRDL VFLFKGRQYW ALSGYDLQQG YPRDISNYGF PRSVQAIDAA VSYNGKTYFF INNQCWRYDN QRRSMDPGYP KSIPSMFPGV NCRVDAVFLQ DSFFLFFSGP QYFAFNFVSH RVTRVARSNL WLNCS
Source	Mammalian cell
Target Names	Mmp8
Protein Names	Recommended name: Neutrophil collagenase EC= 3.4.24.34 Alternative name(s): Collagenase 2 Matrix metalloproteinase-8 Short name= MMP-8
Expression Region	101-465
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. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.
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.