Recombinant Rabbit Collagenase 3 (MMP13)

Product Code	CSB-MP014660RB
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O62806
Product Type	Recombinant Protein
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Purity	≥85% (SDS-PAGE)
Sequence	YNVFPRT LKWSQTNLTY RIVNYTPDLT HSEVEKAFKK AFKVWSDVTP LNFTRIHNGT ADIMISFGTK EHGDFYPFDG PSGLLAHAFP PGPNYGGDAH FDDDETWTSS SKGYNLFLVA AHEFGHSLGL DHSKDPGALM FPIYTYTGKS HFMLPDDDVQ GIQSLYGPGD EDPNPKHPKT PDKCDPSLSL DAITSLRGET MIFKDRFFWR LHPQQVDAEL FLTKSFWPEL PNRIDAAYEH PARDLIFIFR GKKFWAPNGY DILEGYPQKL SELGFPREVK KISAAVHFED TGKTLFFSGN QVWSYDDTNH TMDQDYPRLI EEEFPGIGGK VDAVYEKNGY IYFFNGPIQF EYSIWSKRIV RVMPTNSLLW C
Source	Mammalian cell
Target Names	MMP13
Protein Names	Recommended name: Collagenase 3 EC= 3.4.24.- Alternative name(s): Matrix metalloproteinase-13 Short name= MMP-13
Expression Region	104-471
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 cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. 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.