Recombinant Human Matrix metalloproteinase-16 (MMP16), partial

Product Code	CSB-EP014663HU1-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P51512
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	Y ALTGQKWQHK HITYSIKNVT PKVGDPETRK AIRRAFDVWQ NVTPLTFEEV PYSELENGKR DVDITIIFAS GFHGDSSPFD GEGGFLAHAY FPGPGIGGDT HFDSDEPWTL GNPNHDGNDL FLVAVHELGH ALGLEHSNDP TAIMAPFYQY METDNFKLPN DDLQGIQKIY GPPDKIPPPT RPLPTVPPHR SIPPADPRKN DRPKPPRPPT GRPSYPGAKP NICDGNFNTL AILRREMFVF KDQWFWRVRN NRVMDGYPMQ ITYFWRGLPP SIDAVYENSD GNFVFFKGNK YWVFKDTTLQ PGYPHDLITL GSGIPPHGID SAIWWEDVGK TYFFKGDRYW RYSEEMKTMD PGYPKPITVW KGIPESPQGA FVHKENGFTY FYKGKEYWKF NNQILKVEPG YPRSILKDFM GCDGPTDRVK EGHSPPDDVD IVIKLDNTAS TVKA
Source	E.coli
Target Names	MMP16
Protein Names	Recommended name: Matrix metalloproteinase-16 Short name= MMP-16 EC= 3.4.24.-Alternative name(s): MMP-X2 Membrane-type matrix metalloproteinase 3 Short name= MT-MMP 3 Short name= MTMMP3 Membrane-type-3 matrix m
Expression Region	120-564
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	Extracellular domain
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 gene produces at least two transcripts, one which encodes a membrane-bound form and another a soluble form of the protein. Both forms of the protein activate MMP2 by cleavage. This gene was once referred to as MT-MMP2, but was renamed as MT-MMP3 or MMP16.
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.