



# Recombinant Human Matrix metalloproteinase-16 (MMP16), partial

<b>Product Code</b>	CSB-EP014663HU1
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P51512
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	Y ALTGQKWQHK HITYSIKNVT PKVGDPEPTRK AIRRAFDVWQ NVTPLTFEEV PYSELENGKR DVDITIFAS GFHGDSSPFD GEGGFLAHAY FPGPGIGGDT HFDSDEPWT L GNPNDGNDL FLVAVHELGH ALGLEHSNDP TAIMAPFYQY METDNFKLPN DDLQGIQKIY GPPDKIPPPT RPLPTVPPHR SIPPADPRKN DRPKPPRPPT GRPSYPGAKP NICDGNFNTL AILRREMFVF KDQWFWRVRN NRVMDGYPMQ ITYFWRGLPP SIDAVYENS D GNFVFFKGNK YWVFKDITLQ PGYPHDLITL GSGIPPHGID SAIWWEDVGK TYFFKGDYRW RYSEEMKTMD PGYPKPITVW KGIPESPQGA FVHKENGFTY FYKGKEYWKF NNQILKVEPG YPRSILKDFM GCDGPTDRVK EGHSPDDVD IVIKLDNTAS TVKA
<b>Source</b>	E.coli
<b>Target Names</b>	MMP16
<b>Protein Names</b>	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
<b>Expression Region</b>	120-564
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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**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.