



# Recombinant Human Cartilage matrix protein (MATN1)

<b>Product Code</b>	CSB-BP013520HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P21941
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>SPGLAPQS RGHLCRTRPT DLV FVVDSSR SVRPVEFEKV KVFLSQVIES  LDVGNATRV GMVNYASTVK QEFSLRAHVS KAALLQAVRR IQPLSTGTMT  GLAIQFAITK AFGDAEGGRS RSPDISKVVV VVTDGRPQDS VQDVSARARA  SGVELFAIGV GSVDKATLRQ IASEPQDEHV DYVESYSVIE KLSRKFQEAF  CVVSDLCATG DHDCEQVCIS SPGSYTCACH EGFTLNSDGK TCNVCSGGGG  SSATDLVFLI DGSKSVRPN FELVKKFISQ IVDTLDVSDK LAQVGLVQYS  SSVRQEFPLG RFHTKKDIKA AVRNM SYMEK GTMTGAALKY LIDNSFTVSS  GARPGAQKVG IVFTDGRSQD YINDAAKKAK DLGFKMFAVG VGNAVEDEL R  EIASPVAEH YFYTADF KTI NQIGKKLQKK ICVEEDPCAC ESLVKFQAKV  EGLLQALTRK LEAVSKRLAI LENTVV</p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	MATN1
<b>Protein Names</b>	Recommended name: Cartilage matrix protein Alternative name(s): Matrilin-1
<b>Expression Region</b>	23-496
<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>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of von Willebrand factor A domain containing protein family. This family of proteins are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. Mutations of this gene have been associated with variety of inherited chondrodysplasias.
<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.
<b>Shelf Life</b>	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.