Recombinant Human Cartilage matrix protein (MATN1)

Product Code	CSB-MP013520HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21941
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SPGLAPQS RGHLCRTRPT DLVFVVDSSR SVRPVEFEKV KVFLSQVIES LDVGPNATRV GMVNYASTVK QEFSLRAHVS KAALLQAVRR IQPLSTGTMT GLAIQFAITK AFGDAEGGRS RSPDISKVVI VVTDGRPQDS VQDVSARARA SGVELFAIGV GSVDKATLRQ IASEPQDEHV DYVESYSVIE KLSRKFQEAF CVVSDLCATG DHDCEQVCIS SPGSYTCACH EGFTLNSDGK TCNVCSGGGG SSATDLVFLI DGSKSVRPEN FELVKKFISQ IVDTLDVSDK LAQVGLVQYS SSVRQEFPLG RFHTKKDIKA AVRNMSYMEK GTMTGAALKY LIDNSFTVSS GARPGAQKVG IVFTDGRSQD YINDAAKKAK DLGFKMFAVG VGNAVEDELR EIASEPVAEH YFYTADFKTI NQIGKKLQKK ICVEEDPCAC ESLVKFQAKV EGLLQALTRK LEAVSKRLAI LENTVV
Source	Mammalian cell
Target Names	MATN1
Protein Names	Recommended name: Cartilage matrix protein Alternative name(s): Matrilin-1
Expression Region	23-496
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	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.
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.