Recombinant Human Decorin (DCN)

Product Code	CSB-BP006554HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P07585
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	DEASGIGPEV PDDRDFEPSL GPVCPFRCQC HLRVVQCSDL GLDKVPKDLP PDTTLLDLQN NKITEIKDGD FKNLKNLHAL ILVNNKISKV SPGAFTPLVK LERLYLSKNQ LKELPEKMPK TLQELRAHEN EITKVRKVTF NGLNQMIVIE LGTNPLKSSG IENGAFQGMK KLSYIRIADT NITSIPQGLP PSLTELHLDG NKISRVDAAS LKGLNNLAKL GLSFNSISAV DNGSLANTPH LRELHLDNNK LTRVPGGLAE HKYIQVVYLH NNNISVVGSS DFCPPGHNTK KASYSGVSLF SNPVQYWEIQ PSTFRCVYVR SAIQLGNYK
Source	Baculovirus
Target Names	DCN
Protein Names	Recommended name: Decorin Alternative name(s): Bone proteoglycan II PG-S2 PG40
Expression Region	31-359
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 protein is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. It contains one attached glycosaminoglycan chain. This protein is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for this gene. This gene is a candidate gene for Marfan syndrome.
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.