

## Recombinant Human DCN protein, His-tagged

Cat. No. DCN-57H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	DCN, also known as decorin isoform, is a small secreted chondroitin/dermatan sulfate proteoglycan within the family of small leucine-rich proteoglycans (SLRPs). This protein has been implicated in matrix assembly and may suppress the growth of various tumor cell lines by inhibiting the epidermal growth factor receptor.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
<b>Molecular Mass</b>	37.1kDa (335aa)40-57kDa (SDS-PAGE under reducing conditions)
<b>AA Sequence</b>	DEASGIGPEV PDDRDFEPSL GPCPFRCQC HLRVVQCSDL GLDKVPKDLF PDTLLDLQN NKITEIKDGD FKNLKNLHAL ILVNNKISKVSPGAFTPLVK LERLYLSKNQ LKELPEKMPK TLQELRAHEN EITKVRKVTF NGLNQMIVIE LGTNPLKSSG IENGAFQGMK KLSYIRIADTNITSIPQGLP PSLTELHLDG NKISRVDAAS LKGLNNLAKL GLSFNSISAV DNGSLANTPH LRELHLDNNK LTRVPGGLAE HKYIQVVYLHNNNISVVGSS DFCPPGHNTK KASYSGVSLF SNPVQYWEIQ PSTFRCVYVR SAIQLGNYKH HHHHH
<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)

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<b>Purity</b>	>95% by SDS – PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1mg/ml (determined by Absorbance at 280nm)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	DCN decorin [ Homo sapiens ]
<b>Official Symbol</b>	DCN
<b>Synonyms</b>	DCN; decorin; decorin proteoglycan; DSPG2; SLRR1B; PG-S2; bone proteoglycan II; proteoglycan core protein; small leucine-rich protein 1B; dermatan sulphate proteoglycans II; CSCD; PG40; PGII; PGS2;
<b>Gene ID</b>	1634
<b>mRNA Refseq</b>	NM_001920
<b>Protein Refseq</b>	NP_001911
<b>MIM</b>	125255
<b>UniProt ID</b>	P07585
<b>Chromosome Location</b>	12q23
<b>Pathway</b>	TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling

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pathway, conserved biosystem; Validated transcriptional targets of AP1 family members Fra1 and Fra2, organism-specific biosystem;

**Function**

collagen binding; extracellular matrix binding; glycosaminoglycan binding; protein N-terminus binding;

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