

Recombinant Human DCN protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	37.1kDa (335aa)40-57kDa (SDS-PAGE under reducing conditions)
AA Sequence	DEASGIGPEV PDDRDFEPSL GPVCPFRCQC HLRVVQCSDL GLDKVPKDLP 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
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS – PAGE
Storage	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.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	DCN decorin [Homo sapiens]
Official Symbol	DCN
Synonyms	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;
Gene ID	1634
mRNA Refseq	NM_001920
Protein Refseq	NP_001911
MIM	125255
UniProt ID	P07585
Chromosome Location	12q23
Pathway	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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