

# Recombinant human Decorin protein

Catalog Number: ATGP3174

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

31-359aa

### UniProt No.

P07585

### NCBI Accession No.

NP\_001911

### Alternative Names

DCN, DSPG2, SLRR1B, decorin proteoglycan, Bone proteoglycan II, PG-S2, PG40, CSCD, PGII, PGS2

## PRODUCT SPECIFICATION

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### Molecular Weight

37.7 kDa (340aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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. Recombinant human DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional

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chromatography techniques

## Amino acid Sequence

<ADPHM>DEASG IGPEVPDDRD FEPSLGPVCP FRCQCHLRVV QCSDLGLDKV PKDLPPDTTL LDLQNNKITE IKDGDGFKNLK  
NLHALILVNN KISKVSPGAF TPLVKLERLY LSKNQLKELP EKMPKTLQEL RAHENEITKV RKVTFNGLNQ MIVIELGTNP  
LKSSGIENGA FQGMKKLSYI RIADTNITSI PQGLPPSLTE LHLDGNKISR VDAASLKGLN NLAKLGLSFN SISAVDNGSL  
ANTPHLRELH LDNNKLTRVP GGLAEHKYIQ VVYLHNNNIS VVGSSDFCPP GHNTKKASYS GVSLFSNPVQ YWEIQPSTFR  
CVYVRSIQQL GNYK<HHHHHH>

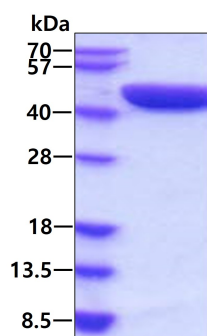
## General References

Mogyorsi A., et al. (1999) Nephrol Dial Transplant. 14(5):1078-1081.

Reed CC., et al. (2002) Glycoconj J. 19(4-5):249-255.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.