



# Human DCN peptide (DAG-P0420)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily. Contains 12 LRR (leucine-rich) repeats.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DCN decorin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DCN
<b>Synonyms</b>	DCN; decorin; CSCD; PG40; PGII; PGS2; DSPG2; SLRR1B; PG-S2; bone proteoglycan II; decorin proteoglycan; proteoglycan core protein; small leucine-rich protein 1B; dermatan sulphate proteoglycans II;

<b>Entrez Gene ID</b>	<a href="#">1634</a>
<b>mRNA Refseq</b>	<a href="#">NM_001920.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001911.1</a>
<b>UniProt ID</b>	P07585
<b>Chromosome Location</b>	12q21.33
<b>Pathway</b>	A tetrasaccharide linker sequence is required for GAG synthesis, organism-specific biosystem; CS/DS degradation, organism-specific biosystem; Chondroitin sulfate biosynthesis, organism-specific biosystem; Chondroitin sulfate/dermatan sulfate metabolism, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Dermatan sulfate biosynthesis, organism-specific biosystem; Disease, organism-specific biosystem; ECM proteoglycans, organism-specific biosystem; E
<b>Function</b>	collagen binding; extracellular matrix binding; glycosaminoglycan binding; poly(A) RNA binding; protein N-terminus binding;