

Recombinant Full Length Human DCN Protein, GST-tagged

Cat. No. DCN-2884HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCN full-length ORF (AAH05322, 1 a.a. - 359 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	359 amino acids
Description	This gene encodes a member of the small leucine-rich proteoglycan family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. This protein plays a role in collagen fibril assembly. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis. This gene and the related gene biglycan are thought to be the result of a gene duplication. Mutations in this gene are associated with congenital stromal corneal dystrophy in human patients. [provided by RefSeq, Nov 2015]
Molecular Mass	65.23 kDa
AA Sequence	MKATIILLLLAQVSWAGPFQQRGLFDFMLEDEASGIGPEVPDDRDFEPSLGPVCPFR CQCHLRVVQCSDLGLDKVPKDLPPDTLLDLQNNKITEIKDGD FKNLKNLHALILVNN KISKVSPGAFTPLVKLERLYLSKNQLKELPEKMPKTLQELRAHENEITKVRKVTFNGL

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NQMIVIELGTNPLKSSGIENGAFQGMKKLSYIRIADTNITSIPQGLPPSLTELHLDGNKI
 SRVDAASLKGLNNLAKLGLSFNSISAVDNGSLANTPHLRELHLDNNKLTRVPGGLAE
 HKYIQVVYLHNNNISVVGSSDFCPPGHNTKKASYSGVSLFSNPVQYWEIQPSTFRCV
 YVRSAILGNYK

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	125255
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UniProt ID	P07585
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