

Recombinant Human DCN Protein, His-tagged

Cat. No. DCN-311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DCN(Asp45~Leu152) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp45~Leu152
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	13.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

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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