

Recombinant Human DCN Protein, His-tagged

Cat. No. DCN-815H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DCN protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
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	Lyophilized
Molecular Mass	38.8 kDa
AA Sequence	MKATIILLLLAQVSWAGPFQQRGLFDFMLEDEASGIGPEVPDDRDFEPSLGPVCPFR CQCHLRVVQCSDLGLDKVPKDLPPDTLLDLQNNKITEIKDGD FKNLKNLHALILVNN KISKVSPGAF TPLVKLERLYLSKNQLKELPEKMPKTLQELRAHENEITKVRKVTFNGL NQMIVIELGTNPLKSSGIENGAFQGMKKLSYIRIADTNITSIPQGLPPSLTELHLDGNKI SRVDAASLKGLNNLAKLGLSFNSISAVDNGSLANTPHLRELHLDNNKLTRVPGGLAE

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	HKYIQVVYLHNNNISVVGSSDFCPPGHNTKKASYSGVSLFSNPVQYWEIQPSTFRCV YVRSAILGNYK
Purity	> 98%
Applications	Migration Assay; ELISA; FACS; FC;
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	DCN decorin [Homo sapiens (human)]
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;

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Gene ID	1634
mRNA Refseq	NM_001920
Protein Refseq	NP_001911
MIM	125255
UniProt ID	P07585

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