

## 32-3657: DCN Recombinant Protein

**Alternative Name :** Decorin, Bone proteoglycan II, PG-S2, PG40, DCN, SLRR1B, CSCD, PGII, PGS2, DSPG2.

### Description

Source : Escherichia Coli. DCN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 350 amino acids (31-359 a.a) and having a molecular mass of 38.6kDa. DCN is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Decorin (DCN) is a small cellular or pericellular matrix proteoglycan which is closely related in structure to biglycan protein. Decorin is a secreted protein which binds to collagen and fibronectin in extracellular matrix. Decorin appears in different glycoforms, substituted with chondroitin sulfate or dermatan sulfate consistent with the original tissue. DCN contains one attached glycosaminoglycan chain. Decorin influences the rate of fibril formation. Decorin is capable of suppressing the growth of various tumor cell lines. DCN gene defects cause corneal dystrophy. The DCN gene is a candidate gene for Marfan syndrome.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 80% as determined by SDS-PAGE.
<b>Content :</b>	DCN protein solution (0.25mg/ml) containing 20mM Tris 8.0 and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MDEASGIGPE VPDDRDFEPS LGPVCPRCQ CHLRVVQCSDLGLDKVPKDL PPDTTLLDLQ NNKITEIKDG DFKNLKLNHA LILVNKISK VSPGAFTPLVKLERLYLSKN QLKELPEKMP KTLQELRAHE NEITKVRKVT FNGLNQMIVI ELGTNPLKSS GIENGAFAQGM KKLSYIRIAD TNITSIPQGL PPSLTEHLHD GNKISRVDAA SLKGLNNLAKLGLSFNSISA VDNGSLANTP HLRELHLDNN KLTRVPGGLA EHKYIQVVYL HNNNISVVGSSDFCPPGHNT KKASYSGVSL FSNPVQYWEI QPSTFRCVYV RSAIQLGNYK.