9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DCN Human

Decorin Human Recombinant
RCP0618

Product Overview

Name	DCN Human
Description	
Decorin Human Recombinant	
Accession (Primary)	P07585
Synonyms	
Decorin, Bone proteoglycan II, PG-S2, PG40, DCN, SLRR1B, CSCD, PGII, PGS2, DSPG2.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
DCN protein solution (0.25mg/ml) containing 20mM Tris pH 8.0 and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 80% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M DEASGIGPE VPDDRDFEPS LGPVCPFRCQ CHLRVVQCSDLGLDKVPKDL PPDTTLLDLQ NNKITEIKDG DFKNLKNLHA LILVNNKISK VSPGAFTPLVKLERLYLSKN QLKELPEKMP KTLQELRAHE NEITKVRKVT FNGLNQMIVI ELGTNPLKSS GIENGAFQGM KKLSYIRIAD TNITSIPQGL	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PPSLTELHLD GNKISRVDAA SLKGLNNLAKLGLSFNSISA VDNGSLANTP HLRELHLDNN KLTRVPGGLA EHKYIQVVYL HNNNISVVGSSDFCPPGHNT KKASYSGVSL FSNPVQYWEI QPSTFRCVYV RSAIQLGNYK.

Precautions

DCN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07585)