9051 Mira Mesa Blvd, #910094
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DCN Human, Sf9

Decorin Human Recombinant, Sf9
RCP0619

Product Overview

Name	DCN Human, Sf9

Description

Decorin Human Recombinant, Sf9

Accession (Primary)	P07585

Synonyms

Decorin, Decorin Proteoglycan, Bone Proteoglycan II, SLRR1B, PG-S2, CSCD, PG40, Dermatan Sulphate Proteoglycans II, Small Leucine-Rich Protein 1B, Proteoglycan Core Protein, DSPG2, PGII, PGS2, Decorin, Bone proteoglycan II, PG-S2, , PG40.

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

Sf9, Baculovirus cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

DCN protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) 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 95% as determined by SDS-PAGE.

Amino acid sequence

DEASGIGPEV PDDRDFEPSL GPVCPFRCQC HLRVVQCSDL GLDKVPKDLP PDTTLLDLQN NKITEIKDGD

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FKNLKNLHAL ILVNNKISKV SPGAFTPLVK LERLYLSKNQ LKELPEKMPK TLQELRAHEN EITKVRKVTF NGLNQMIVIE LGTNPLKSSG IENGAFQGMK KLSYIRIADT NITSIPQGLP PSLTELHLDG NKISRVDAAS LKGLNNLAKL GLSFNSISAV DNGSLANTPH LRELHLDNNK LTRVPGGLAE HKYIQVVYLH NNNISVVGSS DFCPPGHNTK KASYSGVSLF SNPVQYWEIQ PSTFRCVYVR SAIQLGNYK H HHHHH .

Precautions

DCN Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07585)