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

DCN Mouse

Decorin Mouse Recombinant
RCP0620

Product Overview

Name	DCN Mouse
Description	
Decorin Mouse Recombinant	
Accession (Primary)	P28654
Synonyms	
Decorin, Bone proteoglycan II, PG-S2, PG40, DCN.	
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 (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 30% glycerol and 0.1mM PMSF.	
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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
GPFEQRGLFD FMLEDEASGI IPYDPDNPLI SMCPYRCQCH LRVVQCSDLG LDKVPWDFPP DTTLLDLQNN KITEIKEGAF KNLKDLHTLI LVNNKISKIS PEAFKPLVKL ERLYLSKNQL KELPEKMPRT LQELRVHENE ITKLRKSDFN GLNNVLVIEL GGNPLKNSGI ENGAFQGLKS LSYIRISDTN ITAIPQGLPT SLTEVHLDGN KITKVDAPSL KGLINLSKLG	

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LSFNSITVME NGSLANVPHL RELHLDNNKL LRVPAGLAQH KYIQVVYLHN NNISAVGQND FCRAGHPSRK ASYSAVSLYG NPVRYWEIFP NTFRCVYVRS AIQLGNYK HH HHHH

Precautions

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

Target Information: (P28654)