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32-13191: DCN Human, Sf9

Alternative Name :	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.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
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.
DCN produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 335 amino acids (31-359a.a.) and having a molecular mass of 37.1kDa.Â (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). DCN is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	DCN protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	DEASGIGPEV PDDRDFEPSL GPVCPFRCQC HLRVVQCSDL GLDKVPKDLP PDTTLLDLQN NKITEIKDGD 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 SAIQLGNYKH HHHHH.

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