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32-13192: DCN Mouse

Alternative Name : Decorin, Bone proteoglycan II, PG-S2, PG40, DCN.

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 (17-354 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 344 amino acids and having a molecular mass of 38.8kDa.DCN shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	DCN protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 30% glycerol and 0.1mM PMSF.
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 :	GPFEQRGLFD FMLEDEASGI IPYDPDNPLI SMCPYRCQCH LRVVQCSDLG LDKVPWDFPP DTTLLDLQNN KITEIKEGAF KNLKDLHTLI LVNNKISKIS PEAFKPLVKL ERLYLSKNQL KELPEKMPRT LQELRVHENE ITKLRKSDFN GLNNVLVIEL GGNPLKNSGI ENGAFQGLKS LSYIRISDTN ITAIPQGLPT SLTEVHLDGN KITKVDAPSL KGLINLSKLG LSFNSITVME NGSLANVPHL RELHLDNNKL LRVPAGLAQH KYIQVVYLHN NNISAVGQND FCRAGHPSRK ASYSAVSLYG NPVRYWEIFP NTFRCVYVRS AIQLGNYKHH HHHH

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