

Datasheet for ABIN2180962

Decorin Protein (DCN) (AA 17-359) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	200 µg
Target:	Decorin (DCN)
Protein Characteristics:	AA 17-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Decorin protein is labelled with His tag.

Product Details

Sequence:	AA 17-359
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 38.8 kDa. The protein migrates as 45 kDa or higher under reducing (R) condition (SDS-PAGE) due to different glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Decorin (DCN)
Alternative Name:	Decorin (DCN Products)

Target Details

Background: Decorin is also known as bone proteoglycan II, PGS2, SLRR1B, DCN, DSPG2 and PG40, is a secreted chondroitin /dermatan sulfate proteoglycan in the family of small leucine-rich proteoglycans (SLRPs). Decorin is a small cellular or pericellular matrix proteoglycan and is closely related in structure to biglycan protein. Decorin and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. Decorin appears to influence fibrillogenesis, and also interacts with fibronectin, thrombospondin, the complement component C1q, epidermal growth factor receptor (EGFR) and transforming growth factor-beta (TGF-beta). Defects in DCN are the cause of congenital stromal corneal dystrophy (CSCD).

Molecular Weight: 38.8 kDa

NCBI Accession: [NP_001911](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

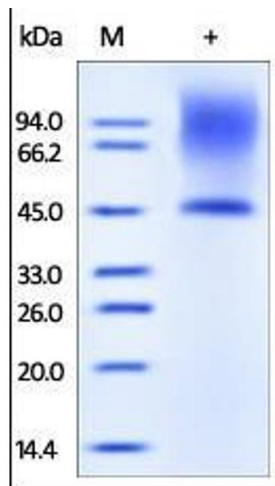
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



SDS-PAGE

Image 1. Human Decorin, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.