

Datasheet for ABIN7320511
Decorin Protein (DCN) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	Decorin (DCN)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Decorin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Decorin/DCN Protein (His Tag)
Sequence:	Gly17-Lys354
Characteristics:	Recombinant Mouse Decorin is produced by our Mammalian expression system and the target gene encoding Gly17-Lys354 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Decorin (DCN)
Alternative Name:	Decorin/DCN (DCN Products)
Background:	Background: Decorin, also known as PG40 and DCN, is a member of the class I family of small leucine-rich proteoglycans (SLRPs) that is expressed in the stroma of various forms of cancer and has been recently proposed to act as a guardian from the matrix. Mature human Decorin

Target Details

contains 12 tandem LRR and shares 80 % and 78 % aa sequence identity with mouse and rat Decorin, respectively. Decorin embraces numerous functions including: regulation of collagen fibrillogenesis, hepatic carcinogenesis, fetal membrane and calcium homeostasis, keratinocyte function, and suppression of angiogenesis. Most recently, soluble decorin has been shown to induce autophagy in endothelial cells and mitophagy in breast carcinoma cells.

Synonym: Decorin, Bone proteoglycan II, PG-S2, PG40, Dcn

Molecular Weight: 39.0 kDa

UniProt: [P28654](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

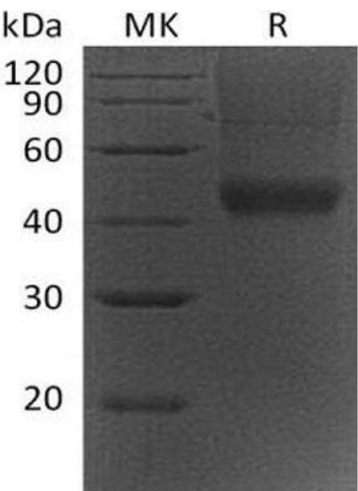
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.