

Active Recombinant Mouse Dcn protein, His-tagged

Cat. No. Dcn-1887M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dcn(Gly17-Lys354 & Asp31-Lys354) fused with His tag at C-terminal was expressed in NS0.
Species	Mouse
Source	Mammalian Cells
Predicted N Terminal	Gly17 & Asp31
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	5 µg/mL of Recombinant Mouse Decorin can significantly delay the rate of collagen fibrillogenesis.
Molecular Mass	Predicted Molecular Mass: 39 kDa;SDS-PAGE: 40-45 kDa, reducing conditions
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Stability	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

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Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name	Dcn decorin [<i>Mus musculus</i>]
Official Symbol	Dcn
Synonyms	DCN; decorin; bone proteoglycan II; DC; PG40; PGII; PGS2; mDcn; DSPG2; SLRR1B;
Gene ID	13179
mRNA Refseq	NM_001190451
Protein Refseq	NP_001177380
MIM	
UniProt ID	P28654
Chromosome Location	10 C3; 10 50.27 cM
Pathway	TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	collagen binding; extracellular matrix binding; glycosaminoglycan binding; protein N-terminus binding;

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