

## Recombinant Mouse Dcn protein, His-tagged

Cat. No. Dcn-64M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Description</b>	DCN, also known as decorin, is a proteoglycan known to interact with collagen and growth factors, may play key roles during ontogenesis, tissue remodeling, and cancer. It regulates assembly of the extracellular collagen matrix and the bioactivity of the matrix associated growth factors FGF-2, GDF-8/Myostatin, TGF-Beta, and WISP-1.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 30% glycerol, 0.1mM PMSF
<b>Molecular Mass</b>	38.8kDa (344aa)40-57kDa (SDS-PAGE under reducing conditions.)
<b>AA Sequence</b>	<p>GPFEQRGLFD FMLEDEASGI IPYDPDNPLI SMCPYRCQCH LRVVQCSDLG            LDKVPWDFPP DTTLLDLQNN KITEIKEGAF KNLKDLHTLILVNNKISKIS            PEAFKPLVKL ERLYLSKNQL KELPEKMPRT LQELRVHENE ITKLRKSDFN            GLNNVLVIEL GGNPLKNSGI ENGAFQGLKSLSYIRISDTN ITAIPQGLPT            SLTEVHLDGN KITKVDAPSL KGLINLSKLG LSFNSITVME NGSLANVPHL            RELHLDNNKL LRVPAGLAQHKEYIQVVYLHN NNISAVGQND FCRAQHPSRK            ASYSAVSLYG NPVRYWEIFP NTFRCVYVRS AIQLGNYKHH HHHH</p>

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<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Purity</b>	>90% by SDS – PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25mg/ml (determined by Absorbance at 280nm)

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Dcn decorin [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Dcn</a>
<b>Synonyms</b>	DCN; decorin; bone proteoglycan II; DC; PG40; PGII; PGS2; mDcn; DSPG2; SLRR1B;
<b>Gene ID</b>	<a href="#">13179</a>
<b>mRNA Refseq</b>	<a href="#">NM_001190451</a>
<b>Protein Refseq</b>	<a href="#">NP_001177380</a>
<b>MIM</b>	
<b>UniProt ID</b>	
<b>Pathway</b>	TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;

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**Function**

collagen binding; extracellular matrix binding; glycosaminoglycan binding; protein N-terminus binding;

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