

Recombinant Mouse Dcn protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant mouse DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 30% glycerol, 0.1mM PMSF
Molecular Mass	38.8kDa (344aa)40-57kDa (SDS-PAGE under reducing conditions.)
AA Sequence	GPFEQRGLFD FMLEDEASGI IPYDPDNPLI SMCPYRCQCH LRVVQCSDLG LDKVPWDFPP DTTLLDLQNN KITEIKEGAF KNLKDLHTLILVNNKISKIS PEAFKPLVKL ERLYLSKNQL KELPEKMPRT LQELRVHENE ITKLRKSDFN GLNNVLVIEL GGNPLKNSGI ENGAFQGLKSLSYIRISDTN ITAIPQGLPT SLTEVHLDGN KITKVDAPSL KGLINLSKLG LSFNSITVME NGSLANVPHL RELHLDNNKL LRVPAQLAQHKYIQVVYLHN NNISAVGQND FCRAGHPSRK ASYSVAVSLYG NPVRYWEIFP NTFRCVYVRS AIQLGNYKHH HHHH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS – PAGE
Storage	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.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Dcn decorin [Mus musculus]
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	
Pathway	TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA