

## Recombinant Mouse Dcn Protein, Myc/DDK-tagged

**Cat. No.** Dcn-2475M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length decorin (Dcn), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preproprotein is proteolytically processed to generate a mature protein product, which is secreted into the extracellular space to regulate collagen fibril assembly. Homozygous knockout mice for this gene exhibit enhanced tumorigenesis in a liver cancer model, and defects in collagen fibrils, leading to weakened skin and tendons. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 40.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Dcn decorin \[ Mus musculus \(house mouse\) \]](#)

**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](#)

**UniProt ID** [P28654](#)

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