

## Decorin Mouse Recombinant

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| <b>Item Number</b>                       | rAP-3172   |
| <b>Synonyms</b>                          | Decorin, Bone proteoglycan II, PG-S2, PG40, DCN.   |
| <b>Description</b>                       | DCN produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (17-354 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 344 amino acids and having a molecular mass of 38.8kDa. DCN shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by   |
| <b>Uniprot Accession Number</b>          | P28654   |
| <b>Amino Acid Sequence</b>               | GPFEQRGLFD FMLEDEASGI IPYDPDNPLI SMCPYRCQCH LRVVQCSDLG LDKVPWDFPP<br>DTLLDLQNN KITEIKEGAF KNLKDLHTLI LVNNKISKIS PEAFKPLVKL ERLYLSKNQL KELPEKMPRT<br>LQELRVHENE ITKLRKSDFN GLNNVLVIEL GGNPLKNSGI ENGAFQGLKS LSYIRISDTN ITAIPQGLPT<br>SLTEVHLDGN KITKVDAPSL KGLINLSKLG LSFNSITVME NGSLANVPHL RELHLDNNKL LRVPAQLAQH<br>KYIQVVYLHN NNISAVGQND FCRAGHPSRK ASYSAVSLYG NPVRYWEIFP NTFRCVYVRS AI-<br>QLGNYKHH HHHH |
| <b>Source</b>                            | Sf9, Baculovirus cells.  |
| <b>Physical Appearance and Stability</b> | Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  |
| <b>Formulation and Purity</b>            | DCN protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 30% glycerol and 0.1mM PMSF. Greater than 90.0% as determined by SDS-PAGE.  |
| <b>Application</b>                       |  |
| <b>Solubility</b>                        |  |
| <b>Biological Activity</b>               |  |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**