



# Recombinant Horse Decorin (DCN)

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| <b>Product Code</b>      | CSB-EP006554HO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O46542   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Equus caballus (Horse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | DEASGIGPED RIHEVLDLEP LGPVC PFRCQ CHLRVVQCSD LGLDKVPKDL<br>PPDTLLDLQ NNKITEIKDG DFKNLKLNHA LILVNNKISK ISPGAFTPLV<br>KLERLYLSKN HLKELPEKMP KTLQELRVHE NEITKVRKAV FNGLNQMIVV<br>ELGTNPLKSS GIENGA FQGM KKLSYIRIAD TNITTIPGL PPSLTELHLD<br>GNKITKVDAA SLRGLNNLAK LGLSFNSISA VDNGLANTP HLRELHLDNN<br>KLIKVPGLA DHKYIQVVYL HNNNISAVGS NDFCPPGYNT KKASYSYGVSL<br>FSNPVQYWEI QPSTFRCVYV RSAIQLGNYK  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | DCN  |
| <b>Protein Names</b>     | Recommended name: Decorin Alternative name(s): Bone proteoglycan II<br>Dermatan sulfate proteoglycan II Short name= DS-PGII PG-S2  |
| <b>Expression Region</b> | 31-360   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This protein is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. It contains one attached glycosaminoglycan chain. This protein is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for this gene. This gene is a candidate gene for Marfan syndrome. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |