

## 32-8753: Recombinant Mouse Decorin/PGS2/PG40 (C-6His)

**Gene :** Dcn  
**Gene ID :** 13179  
**Uniprot ID :** P28654

### Description

Source: Human Cells.  
MW :39kD.

Recombinant Mouse Decorin is produced by our Mammalian expression system and the target gene encoding Gly17-Lys354 is expressed with a 6His tag at the C-terminus. Decorin, also known as PG40 and DCN, is a member of the class I family of small leucine-rich proteoglycans (SLRPs) that is expressed in the stroma of various forms of cancer and has been recently proposed to act as a guardian from the matrix. Mature human Decorin contains 12 tandem LRR and shares 80% and 78% aa sequence identity with mouse and rat Decorin, respectively. Decorin embraces numerous functions including: regulation of collagen fibrillogenesis, hepatic carcinogenesis, fetal membrane and calcium homeostasis, keratinocyte function, and suppression of angiogenesis. Most recently, soluble decorin has been shown to induce autophagy in endothelial cells and mitophagy in breast carcinoma cells.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** GPFEQRGLFDFMLEDEASGIIPYDPDNPLISMCPYRCQCHLRVVQCSDLGLDKVPWDFPPDPTLLDLQNNKITEI  
KEGAFKNLKDHLTLILVNNKISKISPEAFKPLVKLERLYLSKNQLKELPEKMPRTLQELRVHENEITKLRKSDFNGL  
NNVLVIELGGNPLKNSGIENGAFQGLKSLSYIRISDTNITAI PQGLPTSLTEVHLDGNKITKVDAPSLKGLINLSKLG  
LSFNSITVMENGSLANVPHLRELHLDNNKLLRVPAGLAQHKYIQVVYLHNNNISAVGQNDFCRAGHPSRKASYS  
AVSLYGNPVRYWEIFPNTFRVCYVRSAILGNYKVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.