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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 :	GPFEQRGLFDFMLEDEASGIIPYDPDNPLISMCPYRCQCHLRVVQCSDLGLDKVPWDFPPDTTLLDLQNNKITEI KEGAFKNLKDLHTLILVNNKISKISPEAFKPLVKLERLYLSKNQLKELPEKMPRTLQELRVHENEITKLRKSDFNGL NNVLVIELGGNPLKNSGIENGAFQGLKSLSYIRISDTNITAIPQGLPTSLTEVHLDGNKITKVDAPSLKGLINLSKLG LSFNSITVMENGSLANVPHLRELHLDNNKLLRVPAGLAQHKYIQVVYLHNNNISAVGQNDFCRAGHPSRKASYS AVSLYGNPVRYWEIFPNTFRCVYVRSAIQLGNYKVDHHHHHH

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.