

RPCB1459

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**Product Information**

<b>Product SKU:</b>	RPCB1459	<b>Gene ID:</b>	1634	<b>Size:</b>	10µg
<b>Tag:</b>	C-hFC	<b>Reactivity:</b>	Human		

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**Additional Information**

<b>Expression Host:</b>	HEK293 cells	<b>Swissprot:</b>	P07585
<b>Purity:</b>	> 95% by SDS-PAGE.		

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**Protein Information**

**Background:** Decorin is a secreted chondroitin/dermatan sulfate proteoglycan in the family of small leucine-rich proteoglycans (SLRPs). SLRP family members are characterized by N-terminal and C-terminal cysteine-rich regions which flank the central region containing 10-12 tandem leucine-rich repeats (LRR). The human Decorin cDNA encodes a 359 amino acid (aa) precursor that includes a 16 aa signal sequence and a 14 aa propeptide. Alternate splicing of human Decorin generates five isoforms with variable length deletions. Decorin is an N-glycosylated protein that also carries a variably sized hybrid chondroitin/dermatan sulfate chain at Ser34. Decorin regulates assembly of the extracellular collagen matrix and the bioactivity of the matrix associated growth factors FGF2, GDF8/Myostatin, TGFβ, and WISP1. It also binds and activates EGF R, ErbB4, and IGFI-R. In vivo, Decorin promotes myoblast differentiation, supports angiogenesis, and inhibits tumor progression.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human Decorin/PG-S2/DCN Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 0.1 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

**Storage:**

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.