

Product datasheet for **AR51876PU-N**

Decorin (31-359, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Decorin (31-359, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MDEASGIGPE VPDDRDFEPS LGPVCPRFCQ CHLRVVQCSLDGLDKVPKDL PPDTTLLDLQ NNKITEIKDG DFKNLKLNHA LILVNNKISK VSPGAFTPLVKLERLYLSKN QLKELPEKMP KTLQELRAHE NEITKVRKVT FNGLNQMIVI ELGTNPLKSS GIENGAFQGM KKLSYIRIAD TNITSIPQGL PPSLTELHLD GNKISRVDAA SLKGLNNLAKLGLSFNSISA VDNGSLANTP HLRELHLDNN KLTRVPGGLA EHKEYIQVVYL HNNNISVWGSSDFCPPGHNT KKASYSGVSL FSNPVQYWEI QPSTFRCVYV RSAIQLGNYK
Tag:	His-tag
Predicted MW:	38.6 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris 8.0 containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DCN, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001911
Locus ID:	1634
UniProt ID:	P07585 , Q6FH10
Cytogenetics:	12q21.33
Synonyms:	CSCD; DSPG2; PG40; PGII; PGS2; SLRR1B



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Summary:

This gene encodes a member of the small leucine-rich proteoglycan family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. This protein plays a role in collagen fibril assembly. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis. This gene and the related gene biglycan are thought to be the result of a gene duplication. Mutations in this gene are associated with congenital stromal corneal dystrophy in human patients. [provided by RefSeq, Nov 2015]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

TGF-beta signaling pathway

Product images: