

Product datasheet for AR51876PU-N

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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 MGSSHHHHHH SSGLVPRGSH MDEASGIGPE VPDDRDFEPS LGPVCPFRCQ

or AA Sequence: CHLRVVQCSDLGLDKVPKDL PPDTTLLDLQ NNKITEIKDG DFKNLKNLHA LILVNNKISK

VSPGAFTPLVKLERLYLSKN QLKELPEKMP KTLQELRAHE NEITKVRKVT FNGLNQMIVI ELGTNPLKSS GIENGAFQGM KKLSYIRIAD TNITSIPQGL PPSLTELHLD GNKISRVDAA SLKGLNNLAKLGLSFNSISA

VDNGSLANTP HLRELHLDNN KLTRVPGGLA EHKYIQVVYL HNNNISVVGSSDFCPPGHNT

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: <u>P07585</u>, <u>Q6FH10</u>

Cytogenetics: 12q21.33

Synonyms: CSCD; DSPG2; PG40; PGII; PGS2; SLRR1B





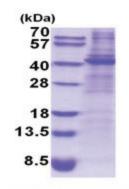
Summary:

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:



15% SDS-PAGE (3ug)