

Recombinant human Decorin protein

Catalog Number: ATGP3056

PRODUCT INFORMATION

Expression system

E.coli

Domain

31-359aa

UniProt No.

P07585

NCBI Accession No.

NP_001911

Alternative Names

DCN, DSPG2, SLRR1B, decorin proteoglycan, Bone proteoglycan II, PG-S2, PG40, CSCD, PGII, PGS2

PRODUCT SPECIFICATION

Molecular Weight

38.6 kDa (350aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DCN also known as Decorin isoform a. DCN is a ubiquitous proteoglycan comprised of a core protein attached to a single dermatan/chondroitin sulphate glycosaminoglycan chain. It may play a role in regulation of collagen fibrillogenesis and function as a reservoir of transforming growth factor beta (TGF-beta) in the extracellular milieu. Recombinant human DCN, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MDEASGIGPE VPDDRDFEPS LGPVCPRFCQ CHLRVVQCSDLGLDKVPKDL PPDTLLDLQ

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NNKITEIKDG DFKNLKLNHA LILVNNKISK VSPGAFTPLVKLERLYLSKN QLKELPEKMP KTLQELRAHE NEITKVRKVT
FNGLNQMIVI ELGTNPLKSS GIENGAFQGM KKLSYIRIAD TNITSIPQGL PPSLTEHLHD GNKISRVDAA
SLKGLNNLAKLGLSFNSISA VDNGSLANTP HLRELHLDNN KLTRVPGGLA EHKEYIQVVYL HNNNISVVGSSDFCPPGHNT
KKASYSGVSL FSNPVQYWEI QPSTFRCVYV RSAIQLGNYK

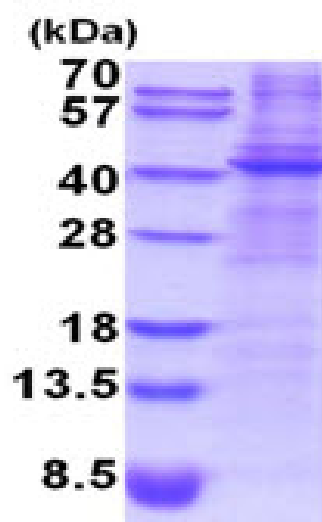
General References

Stamov DR., et al. (2013) J. Struct. Biol. 183 (3), 394-403

Li Y., et al. (2013) PLoS ONE 8 (8), E72563

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)