

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 SSGLVPRGSH MDEASGIGPE VPDDRDFEPS LGPVCPFRCQ CHLRVVQCSDLGLDKVPKDL PPDTLLDLQ

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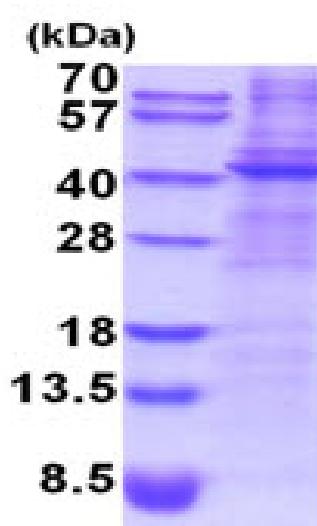
NNKITEIKDG DFKNLKNLHA LILVNNKISK VSPGAFTPLVKLERLYLSKN QLKELPEKMP KTLQELRAHE NEITKVRKVT
FNGLNQMIVI ELGTNPLKSS GIENGAFQGM KKLSYIRIAD TNITSIPQGL PPSLTELHLD GNKISRVDA
SLKGLNNLAKLGLSFNSISA VDNGSLANTP HLRELHLDNN KLTRVPGGLA EHKYIQVYVL HNNNISVGSSDFCPPGHNT
KKASYSGVSL FSNPVQYWEI QPSTFRCVYV RSAIQLGNYK

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 (3 ug)