

**DCN, 31-359aa, Human, His tag, E.coli**

**Cat.NO.: TP01837**

3th Edition

**Synonyms:** Decorin isoform a, CSCD, DSPG2, PG40, PGII, PGS2, SLRR1B

**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.

**Form:** Liquid. In 20mM Tris 8.0 containing 10% glycerol

**Molecular Weight:** 38.6kDa (350aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMDEASGIGPEVPDDRDFEPSLGPVCPFRQCCHLRVVCSDLGLDKVPKDLPPDT  
TLDDLQNNKITEIKDGDGFKNLKNLHALILVNNKISKVSPGAFTPLVKLERLYLSKNQLKELPEKMPKTLQELRAHENEIT  
KVRKVTFNGLNQMIVIELGTNPLKSSGIENGAFQGMKKLSYIRIADTNITSIPQGLPPSLTELHLDGNKISRVDAAASK  
GLNNLAKLGLSFNSISAVDNGSLANTPHLRELHLDNNKLTRVPGGLAEHKYIQVVYLHNNNISVVGSSDFCPPGHNT  
KKASYSGVSLFSNPVQYWEIQPSTFRCVYVRSAILGLGNYK

**Purity:** > 95% by HPLC

**Concentration:** 0.25mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.