

DCN, 31-359aa, Human, His tag, Insect cell

Cat.NO.: TP01838

3th Edition

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

Description:DCN, also known as decorin isoform, is a small secreted chondroitin/dermatan sulfate proteoglycan within the family of small leucine-rich proteoglycans (SLRPs). This protein has been implicated in matrix assembly and may suppress the growth of various tumor cell lines by inhibiting the epidermal growth factor receptor. Recombinant human DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol

Molecular Weight:37.1kDa (335aa) 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

DEASGIGPEVPDDRDFEPSLGPVCPFRQCCHLRVVQCSDLGLDKVPKDLPPDTTLLDLQNNKITEIKDGDGDFKNLKNL
HALILVNNKISKVSPGAFTPLVKLERLYLSKNQLKELPEKMPKTLQELRAHENEITKVRKVTFNGLNQMIVIELGTNPL
KSSGIENGAFQGMKKLSYIRIADTNITSIPQGLPPSLTELHLDGNKISRVDAAASLKGLNNLAKLGLSFNSISAVDNGSL
ANTPHLRELHLDNNKLTRVPGGLAEHKYIQVVYLHNNNISVVGSSDFCPPGHNTKKASYSGVSLFSNPVQYWEIQP
STFRCVYVRSAILQLGNYKHHHHHH

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

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.