

Recombinant Human DCN protein, T7/His-tagged

Cat. No. DCN-82H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human decorin extracellular domain cDNA (31-359 aa) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	31-359 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGGQMGRGRHHHHHHGNLYFQG^GEFEASGIGPEVPDDRDFEPSLGPVCP FRCQCHLRVVQCSDLGLDKVP KDLPPDTLLDLQNNKITEIKDGD FKNLKNLHALILV NNKISKVSPGAFTPLVKLERLYLSKNQLKELPEKMPKT LQELRAHENEITKVRKVTFN GLNQMIVIELGTNPLKSSGIENGAFQGMKKLSYIRIADTNITSIPQGLPPSLTEL HLDG NKISRVDAASLKGLNNLAKLGLSFNSISAVDNGSLANTPHLRELHLDNNKLTRVPGGL AEHKYIQVVYLHN NNISVVGSSDFCPPGHNTKKASYSGVSLFSNPVQYWEIQPSTF RCVYVRSAILGLGNYK
Purity	>90% by SDS-PAGE
Applications	1. May be used as coating matrix protein for human cell functional and differentiation regulation study in vitro, 2. May be used as potential biomarker for lung cancer diagnostic development. 3. May be used for specific antibody production.

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Storage

Keep at -20centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name DCN decorin [Homo sapiens]

Official Symbol DCN

Synonyms DCN; decorin; decorin proteoglycan; DSPG2; SLRR1B; PG-S2; bone proteoglycan II; proteoglycan core protein; small leucine-rich protein 1B; dermatan sulphate proteoglycans II; CSCD; PG40; PGII; PGS2;

Gene ID 1634

mRNA Refseq NM_001920

Protein Refseq NP_001911

MIM 125255

UniProt ID P07585

Chromosome Location 12q23

Pathway TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem; Validated transcriptional targets of AP1 family members Fra1 and Fra2, organism-specific biosystem;

Function collagen binding; extracellular matrix binding; glycosaminoglycan binding; protein N-

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terminus binding;

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