

Decorin Recombinant Protein | DCN recombinant protein

Recombinant Human Decorin Protein (C-His)

CATALOG #
AAA174704

HOST
Human Cells

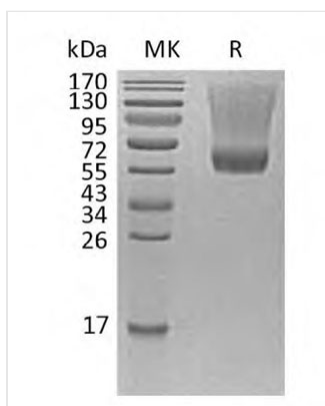
PRODUCT SYNONYMS

Decorin; Recombinant Human Decorin Protein (C-His); Bone proteoglycan II; PG-S2; PG40; SLRR1B; DCN recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Sequence	Gly17-Lys3 59
Sequence Length	359
Species	Human
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix vortex.
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Fusion Tag	C-His
Preparation and Storage	This product is provided as lyophilized powder which is shipped on blue ice. Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for up to 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DCN recombinant protein	Protein Construction: Recombinant Human Decorin is produced by our mammalian expression system and the target gene encoding Gly17-Lys359 is expressed with a 6His tag at the C-terminus. Background: Decorin is a secreted chondroitin/dermatan sulfate proteoglycan in the family of small leucine-rich proteoglycans (SLRPs). SLRP family members are characterized by N-terminal and C-terminal cysteine-rich regions which flank the central region containing 10-12 tandem leucine-rich repeats (LRR). The human Decorin cDNA encodes a 359 amino acid (aa) precursor that includes a 16 aa signal sequence and a 14 aa propeptide. Alternate splicing of human Decorin generates five isoforms with variable length deletions. Decorin is an N-glycosylated protein that also carries a variablysized hybrid chondroitin/dermatan sulfate chain at Ser34. Decorin regulates assembly of the extracellular collagen matrix and the bioactivity of the matrix associated growth factors FGF2,GDF8/Myostatin, TGFbeta,and WISP1. It also binds and activates EGF R, ErbB4, and IGFI-R. In vivo, Decorin promotes myoblast differentiation, supports angiogenesis, and inhibits tumor progression.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	129951
NCBI GeneID	1634
UniProt Accession #	P07585
Molecular Weight	Molecular Mass: 38.8kDa Actual Protein Molecular Mass: 43-50kDa
NCBI Official Full Name	Decorin
NCBI Official Synonym Full Names	decorin
NCBI Official Symbol	DCN
NCBI Official Synonym Symbols	CSCD; PG40; PGII; PGS2; DSPG2; SLRR1B
NCBI Protein Information	decorin
UniProt Protein Name	Decorin
UniProt Gene Name	DCN
UniProt Synonym Gene Names	SLRR1B
UniProt Entry Name	PGS2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/dcn-recombinant-protein-human/174704>