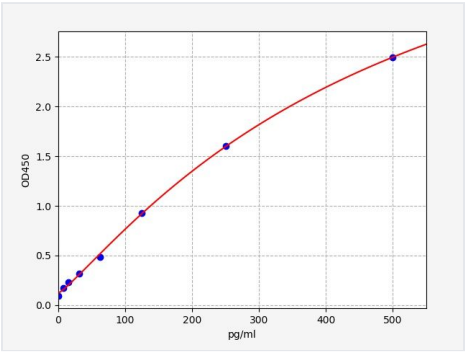
DCN (Decorin) (DCN) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	DCN (Decorin), ELISA Kit
Full Product Name	Rat DCN (Decorin) QuickTest ELISA Kit
Product Gene Name	DCN elisa kit
Product Synonym Names	Decorin; Bone proteoglycan II; PG-S2; PG40; DCN; SLRR1B
Species Reactivity	Rat
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, plasma, cell culture supernatant, cell lysate or tissue lysate, other biological fluid samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Preparation and Storage	Store at 2-8 degree C for 12 months
Molecular Weight	39,805 Da
3D Structure	ModBase 3D Structure for Q01129
Time	120 minutes
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DCN elisa kit	MBS7618584 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the DCN (Decorin) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing DCN. The ELISA analytical biochemical technique of the MBS7618584 kit is based on DCN antibody-DCN antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DCN antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DCN. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of DCN elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of DCN elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCN. It may not necessarily be applicable to this product.

NCBI GI #	54020664
NCBI GeneID	29139
NCBI Accession #	NP_077043.1
UniProt Primary Accession #	Q01129
UniProt Related Accession #	Q01129
GenBank Nucleotide #	NM_024129.1
NCBI Official Full Name	decorin
NCBI Official Synonym Full Names	decorin
NCBI Official Symbol	Dcn
UniProt Protein Name	Decorin
UniProt Synonym Protein Names	Bone proteoglycan II; Dermatan sulfate proteoglycan-II; DSPG; PG-S2; PG40
Protein Family	Decorin
UniProt Gene Name	Dcn
UniProt Synonym Gene Names	DSPG
UniProt Entry Name	PGS2_RAT
NCBI Protein Information	decorin; DSPG; PG40; PG-S2; bone proteoglycan II; dermatan sulfate proteoglycan-II (decorin)
UniProt Comments for DCN	DCN: May affect the rate of fibrils formation. Defects in DCN are the cause of congenital stromal corneal dystrophy (CSCD). Corneal dystrophies are inherited, bilateral, primary alterations of the cornea that are not associated with prior inflammation or secondary to systemic disease. Most show autosomal dominant inheritance. Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Motility/polarity/chemotaxis; Extracellular matrix; Secreted Cellular Component: extracellular matrix; extracellular space; proteinaceous extracellular matrix; collagen type VI Molecular Function: collagen binding; glycosaminoglycan binding; extracellular matrix binding; protein N-terminus binding Biological Process: skeletal muscle development; wound healing; response to mechanical stimulus; response to lipopolysaccharide; kidney development; peptide cross-linking via chondroitin 4-sulfate glycosaminoglycan; placenta development; aging
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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