

## Product datasheet for PH302753

### Decorin (DCN) (NM\_001920) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DCN MS Standard C13 and N15-labeled recombinant protein (NP_001911)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202753
Predicted MW:	39.7 kDa
Protein Sequence:	>RC202753 protein sequence Red=Cloning site Green=Tags(s)
	MKATIIILLLLQVSWAGPFQQRGLFDFMLEDEASGIGPEVPPDRDFEPSLGPVCFRCQCHLRVVQCSDL GLDKVPKDLPPDTLLDLQNNKITEIKDGFKNLKNLHALILVNNKISKVSPGAFPLVKLERLYLSKNQ LKELPEKPKTLQELRAHENEITKVRKVTFNGLNQMIVIELGTNPLKSSGIENGAFQGMKKLSYIRIADT NITSIPQGLPPSLTELHLDGNKISRVDAAASLKGLNNAKLGLSFNSISAVDNGSLANTPHLRELHLDNNK LTRVPGGLAEHKYIQVVYLHNNNISVVGSSDFCPPGHNTKKASYSVGSLSFNPVQYWEIQPSTFRCVYVVR SAIQLGNYK
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001911</u>
RefSeq Size:	2305
RefSeq ORF:	1077
Synonyms:	CSCD; DSPG2; PG40; PGII; PGS2; SLRR1B
Locus ID:	1634



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UniProt ID: [P07585](#), [Q6FH10](#)

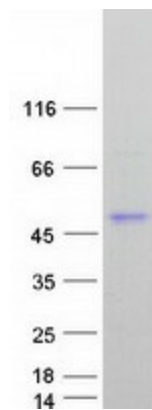
Cytogenetics: 12q21.33

**Summary:** This gene encodes a member of the small leucine-rich proteoglycan family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. This protein plays a role in collagen fibril assembly. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis. This gene and the related gene biglycan are thought to be the result of a gene duplication. Mutations in this gene are associated with congenital stromal corneal dystrophy in human patients. [provided by RefSeq, Nov 2015]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** TGF-beta signaling pathway

### Product images:



Coomassie blue staining of purified DCN protein (Cat# [TP302753]). The protein was produced from HEK293T cells transfected with DCN cDNA clone (Cat# [RC202753]) using MegaTran 2.0 (Cat# [TT210002]).