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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

DCN (Human) Recombinant Protein (P01)

Catalog Number: H00001634-P01

Regulation Status: For research use only (RUO)

Product Description: Human DCN full-length ORF (AAH05322, 1 a.a. - 359 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKATIILLLLLAQVSWAGPFQQRGLDFDFMLEDEASGIGP
EVPDDRRDFEPSLGPVCPFRQCCHLRVVQCSDLGLDK
VPKDLPPDTLLDLQNNKITEIKDGDGFKNLKLNHALILV
NNKISKVSPGAFTPLVKLERLYLSKNQLKELPEKMPKT
LQELRAHENEITKVRKVTFNGLNQMIVIELGTNPLKSSG
IENGAFQGMKKLSYIRIADTNITSIPQGLPPSLTELHLDG
NKISRVDAAASLKGLNNAKLGLSFNSISAVDNGSLANT
PHLRELHLDNKNLTRVPGGLAEHKYIQVVYLHNNNISV
VGSSDFCPPGHNTKKASYSVSLFSPVQYWEIQPST
FRCVYVRSAILQLGNYK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 65.23

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1634

Gene Symbol: DCN

Gene Alias: CSCD, DSPG2, PG40, PGII, PGS2, SLRR1B

Gene Summary: The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. It contains one attached glycosaminoglycan chain. This protein is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for this gene. This gene is a candidate gene for Marfan syndrome. [provided by RefSeq]

References:

1. The anti-metastatic activity of collagenase-2 in breast cancer cells is mediated by a signaling pathway involving decorin and miR-21. Soria-Valles C, Gutierrez-Fernandez A, Guiu M, Mari B, Fueyo A, Gomis RR, Lopez-Otin C *Oncogene*. 2013 Jul 15. doi: 10.1038/onc.2013.267.
2. Serpina3n attenuates granzyme B-mediated decorin cleavage and rupture in a murine model of aortic aneurysm. Ang LS, Boivin WA, Williams SJ, Zhao H, Abraham T, Carmine-Simmen K, McManus BM, Bleackley RC, Granville DJ. *Cell Death Dis*. 2011 Sep 8;2:e209. doi: 10.1038/cddis.2011.88.
3. Decorin Is a Novel VEGFR-2-Binding Antagonist for the Human Extravillous Trophoblast. Khan GA, Girish GV, Lala N, Di Guglielmo GM, Lala PK. *Mol Endocrinol*. 2011 Jun 9. [Epub ahead of print]