

Data Sheet

HUMAN DECORIN

RECOMBINANT

Catalog no.:	A 4292AG.1/A 4292AG.2
Name:	Human Decorin, C- terminal His_6-Tag
Synonyms:	Bone proteoglycan II, PG-S2, PG40
MW:	~ 55 kDa (by capillary gel electrophoresis)
Swiss-Prot No:	P07585
Gene Information:	Gene Name: DCN
	GeneID: 1634
Source:	Produced serum-free in a human cell line
Purification:	Affinity chromatography
Storage buffer:	100 mM Tris, 300 mM sodium chloride, 60 mM Imidazol, pH 7.0
Purity:	> 80 % (by capillary gel electrophoresis)
Contents:	250 µg / 1 mg (lyophilized)
	Resuspend in aqua bidest. for required concentration
Store at:	- 20 °C
	Repeated thawing and freezing must be avoided
References:	1. Adam M, Schwarzer JU, Köhn FM, Strauss L, Poutanen M, Mayerhofer A (2011). Mast cell tryptase stimulates production of decorin by human testicular peritubular cells: possible role of decorin in male infertility by interfering with growth factor signaling. *Hum Reprod* **26**(10)**:** 2613-2625.
	2. Adam M, Saller S, Strobl S, Hennebold JD, Dissen GA, Ojeda SR, Stouffer RL, Berg D, Berg U, Mayerhofer A (2012). Decorin is a part of the ovarian extracellular matrix in primates and may act as a signaling molecule. *Hum Reprod* **27**(11)**:** 3249-3258.
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