

Decorin/PGS2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70021
Synonyms:	rMuDecorin/PGS2, His; Decorin; Bone proteoglycan II; PG-S2; PG40; Dcn
Species:	Mouse
Source:	HEK293
Accession:	P28654 (G17-K354)
Gene ID:	13179
Molecular Weight:	41-50 kDa

PROPERTIES

AA Sequence

G P F E Q R G L F D	F M L E D E A S G I	I P Y D P D N P L I	S M C P Y R C Q C H
L R V V Q C S D L G	L D K V P W D F P P	D T T L L D L Q N N	K I T E I K E G A F
K N L K D L H T L I	L V N N K I S K I S	P E A F K P L V K L	E R L Y L S K N Q L
K E L P E K M P R T	L Q E L R V H E N E	I T K L R K S D F N	G L N N V L V I E L
G G N P L K N S G I	E N G A F Q G L K S	L S Y I R I S D T N	I T A I P Q G L P T
S L T E V H L D G N	K I T K V D A P S L	K G L I N L S K L G	L S F N S I T V M E
N G S L A N V P H L	R E L H L D N N K L	L R V P A G L A Q H	K Y I Q V V Y L H N
N N I S A V G Q N D	F C R A G H P S R K	A S Y S A V S L Y G	N P V R Y W E I F P
N T F R C V Y V R S	A I Q L G N Y K		

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

Endotoxin Level

<1 EU/ μ g, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Decorin/PGS2 protein influences the rate of fibril formation and exhibits binding affinity towards type I and type II collagen, fibronectin, and TGF- β . It also forms a ternary complex with MFAP2 and ELN, suggesting its involvement in extracellular matrix organization. Additionally, it interacts with DPT, further highlighting its potential role in modulating matrix assembly

and structure.

Caution: Product has not been fully validated for medical applications. For research use only.

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