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Datasheet for ABIN7519919

Decorin Protein (DCN) (His tag)

Overview

Quantity:	100 µg
Target:	Decorin (DCN)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Decorin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PG II(PGC) Protein
Sequence:	MKWMVVVLVC LQLLEAAVK VPLKKFKSIR ETMKEKGLLG EFLRTHKYDP AWKYRFGDLS VTYEPMAYMD AAYFGEISIG TPPQNFLVLF DTGSSNLWVP SVYCQSQACT SHSRFNPSES STYSTNGQTF SLQYGSGLT GFFGYDTLTV QSIQVPNQE GLSENEPGTN FVYAQFDGIM GLAYPALSVD EATTAMQGMV QEGALTSPVF SVYLSNQQGS SGGAVVFGGV DSSLYTGQIY WAPVTQELYW QIGIEEFLIG GQASGWCSEG CQAIVDTGTS LLTVPQQYMS ALLQATGAQE DEYGQFLVNC NSIQNLPSLT FIINGVEFPL PPSSYILSNN GYCTVGVEPT YLSSQNGQPL WILGDVFLRS YYSVYDLGNN RVGFATAA
Specificity:	Met1-Ala388
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01EU/µg

Target Details

Target:	Decorin (DCN)
Alternative Name:	PG II (DCN Products)
Background:	<p>Description: Pepsinogen C, also known as PGC, is an aspartic proteinase that belongs to the peptidase family A1. Pepsinogen C is synthesized in the gastric mucosa as inactive precursors, known as zymogens. Pepsinogen C contains a prosegment that serves to stabilize the inactive form and prevent entry of the substrate to the active site. At low PH conditions, Pepsinogen C undergoes conversion into active enzyme.</p> <p>Name: PEPC, PGII,PG II(PGC)</p>
Gene ID:	5225
UniProt:	P20142
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.75 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.