



[Go to Product page](#)

Datasheet for ABIN7318199
Biglycan Protein (BGN) (His tag)

Overview

Quantity:	50 µg
Target:	Biglycan (BGN)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Biglycan protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Biglycan/BGN Protein (His Tag)
Sequence:	Glu20-Lys368
Characteristics:	Recombinant Human Biglycan is produced by our Mammalian expression system and the target gene encoding Glu20-Lys368 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Biglycan (BGN)
Alternative Name:	Biglycan/BGN (BGN Products)
Background:	Background: Biglycan is a 200-350 kD proteoglycan consisting of a 45 kD core protein and two chondroitin/dermatan sulfate glycosaminoglycan chains. Biglycan binds to TGF-?. It also binds to collagen type I in low ionic strength (less than 3 mM phosphate) buffer. At higher ionic

Target Details

strengths, Biglycan does not bind to collagen type I. It enhances the inhibition effect of TGF- β on osteoclast proliferation at a concentration of 4-20 mg/mL. It also prevents the attachment of CHO cells to fibronectin, with a 50 % inhibition at 17-21 mg/mL.

Synonym: Biglycan, Bone/Cartilage Proteoglycan I, PG-S1, BGN, SLRR1A

Molecular Weight: 40.5 kDa

UniProt: [P21810](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.