

Datasheet for ABIN7320153

**Biglycan Protein (BGN) (Fc Tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Biglycan (BGN)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Biglycan protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Mouse Biglycan/BGN Protein (Fc Tag)
Sequence:	Met1-Lys369
Characteristics:	A DNA sequence encoding the mouse BGN (Met1-Lys369) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	Biglycan (BGN)
Alternative Name:	Biglycan/BGN ( <a href="#">BGN Products</a> )
Background:	Background: Biglycan, also known as PG-S1 and BGN, is a small leucine-rich repeat proteoglycan (SLRP). It can be detected in a variety of extracellular matrix tissues, including bone, cartilage and tendon. Biglycan consists of a protein core containing leucine-rich repeat

## Target Details

regions and two glycosaminoglycan (GAG) chains consisting of either chondroitin sulfate (CS) or dermatan sulfate (DS). Non-glycanated forms of biglycan (no GAG chains) increase with age in human articular cartilage. Biglycan interacts with collagen, both via the core protein and GAG chains. Biglycan plays a role in the mineralisation of bone. Biglycan core protein binds to the growth factors BMP-4 and influences its bioactivity.

Synonym: BG,DSPG1,PG-S1,PGI,SLRR1A

Molecular Weight: 66.5 kDa

NCBI Accession: [NP\\_031568](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

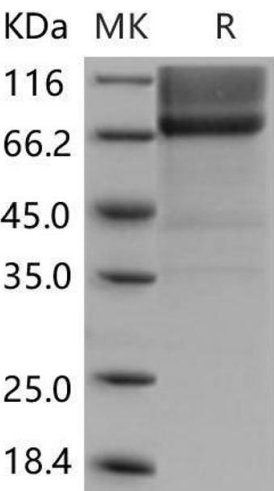
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

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.



**Western Blotting**

**Image 1.**