

RP00309

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Recombinant Human Biglycan Protein

Catalog No.: RP00309 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	633	P21810

Tags
C-6xHis

Synonyms
BGN;DSPG1;MRLS;PG-S1;PGI;SEMDX;SLRR1A;biglycan

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preprotein is proteolytically processed to generate the mature protein, which plays a role in bone growth, muscle development and regeneration, and collagen fibril assembly in multiple tissues. This protein may also regulate inflammation and innate immunity. Additionally, the encoded protein may contribute to atherosclerosis and aortic valve stenosis in human patients. This gene and the related gene decorin are thought to be the result of a gene duplication.

Basic Information

Description
Recombinant Human Biglycan Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Glu20-Lys368) of human Biglycan (Accession #P21810) fused with a 6xHis tag at the C-terminus.

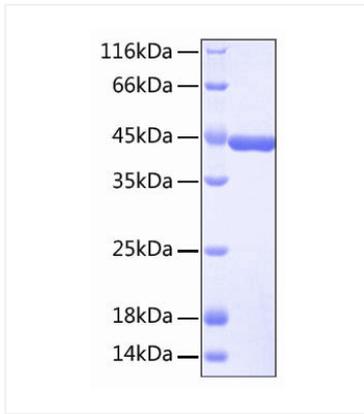
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant protein Human Biglycan was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 44 kDa.