

Product datasheet for RC200715L4V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Biglycan (BGN) (NM_001711) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Biglycan (BGN) (NM_001711) Human Tagged ORF Clone Lentiviral Particle

Symbol: BGN

Synonyms: DSPG1; MRLS; PG-S1; PGI; SEMDX; SLRR1A

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_001711 **ORF Size:** 1104 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC200715).

Sequence:

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This

naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 001711.3

RefSeq Size: 2465 bp
RefSeq ORF: 1107 bp

 Locus ID:
 633

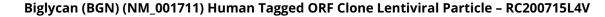
 UniProt ID:
 P21810

 Cytogenetics:
 Xq28

Domains: LRRNT, LRR, LRR_TYP, LRR_PS

Protein Families: Secreted Protein





ORÏGENE

MW: 41.7 kDa

Gene Summary:

This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preproprotein 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. [provided by RefSeq, Nov 2015]