

## Product datasheet for **RC200715L4V**

### 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 Sequence:	The ORF insert of this clone is exactly the same as(RC200715).
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 clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001711.3</a>
RefSeq Size:	2465 bp
RefSeq ORF:	1107 bp
Locus ID:	633
UniProt ID:	<a href="#">P21810</a>
Cytogenetics:	Xq28
Domains:	LRRNT, LRR, LRR_TYP, LRR_PS
Protein Families:	Secreted Protein



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**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]