

## Product datasheet for **RC214729L4V**

### MYBPC1 (NM\_206819) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MYBPC1 (NM_206819) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYBPC1
Synonyms:	LCCS4; MYBPCC; MYBPCCS; MYOTREM; ssMyBP-C
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_206819
ORF Size:	3444 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214729).
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_206819.2</a> , <a href="#">NP_996555.1</a>
RefSeq Size:	3935 bp
RefSeq ORF:	3447 bp
Locus ID:	4604
UniProt ID:	<a href="#">Q00872</a>
Cytogenetics:	12q23.2
MW:	129.1 kDa



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**Gene Summary:**

This gene encodes a member of the myosin-binding protein C family. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The encoded protein is the slow skeletal muscle isoform of myosin-binding protein C and plays an important role in muscle contraction by recruiting muscle-type creatine kinase to myosin filaments. Mutations in this gene are associated with distal arthrogryposis type I. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]