

## Product datasheet for **RC220058L3V**

### MYBPC2 (NM\_004533) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MYBPC2 (NM_004533) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYBPC2
Synonyms:	fsMyBP-C; MYBPC; MYBPCF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004533
ORF Size:	3423 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220058).
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_004533.2</a>
RefSeq Size:	3598 bp
RefSeq ORF:	3426 bp
Locus ID:	4606
UniProt ID:	<a href="#">Q14324</a>
Cytogenetics:	19q13.33
Domains:	ig, IGc2, IG, FN3
MW:	128.1 kDa


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**Gene Summary:**

This gene encodes a member of the myosin-binding protein C family. This family includes the fast-, slow- and cardiac-type isoforms, each of which is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The protein encoded by this locus is referred to as the fast-type isoform. Mutations in the related but distinct genes encoding the slow-type and cardiac-type isoforms have been associated with distal arthrogryposis, type 1 and hypertrophic cardiomyopathy, respectively. [provided by RefSeq, Jul 2012]