

Product datasheet for **RC215472L4V**

Myosin 1C (MYO1C) (NM_033375) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Myosin 1C (MYO1C) (NM_033375) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Myosin 1C
Synonyms:	MMI-beta; MMIb; myr2; NMI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033375
ORF Size:	3084 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215472).
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. 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.
RefSeq:	NM_033375.3 , NP_203693.2
RefSeq Size:	4318 bp
RefSeq ORF:	3087 bp
Locus ID:	4641
UniProt ID:	O00159
Cytogenetics:	17p13.3
Domains:	IQ, myosin_head
MW:	117.7 kDa



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Gene Summary:

This gene encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19. [provided by RefSeq, Jul 2008]