

## Product datasheet for **RC203358L3V**

### MYO19 (NM\_025109) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MYO19 (NM_025109) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYO19
Synonyms:	MYOHD1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_025109
ORF Size:	2310 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203358).
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_025109.4</a>
RefSeq Size:	3818 bp
RefSeq ORF:	2313 bp
Locus ID:	80179
UniProt ID:	<a href="#">Q96H55</a>
Cytogenetics:	17q12
Domains:	IQ, myosin_head
MW:	86.7 kDa



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**Gene Summary:**

Actin-based motor molecule with ATPase activity that localizes to the mitochondrion outer membrane (PubMed:19932026, PubMed:23568824, PubMed:25447992). Motor protein that moves towards the plus-end of actin filaments (By similarity). Required for mitochondrial inheritance during mitosis (PubMed:25447992). May be involved in mitochondrial transport or positioning (PubMed:23568824).[UniProtKB/Swiss-Prot Function]