

Product datasheet for **RC212414L4V**

Myosin (MYL5) (NM_002477) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Myosin (MYL5) (NM_002477) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Myosin
Synonyms:	MYLC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002477
ORF Size:	519 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212414).
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_002477.1 , NP_002468.1
RefSeq Size:	661 bp
RefSeq ORF:	522 bp
Locus ID:	4636
UniProt ID:	Q02045
Cytogenetics:	4p16.3
Domains:	EFh



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Protein Pathways:	Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction
MW:	19.4 kDa
Gene Summary:	This gene encodes one of the myosin light chains, a component of the hexameric ATPase cellular motor protein myosin. Myosin is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene product, one of the regulatory light chains, is expressed in fetal muscle and in adult retina, cerebellum, and basal ganglia. [provided by RefSeq, Jul 2008]