

## Product datasheet for RC211706L2V

### ACTN3 (NM\_001104) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ACTN3 (NM_001104) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACTN3
Synonyms:	ACTN3D
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001104
ORF Size:	2703 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211706).
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_001104.2</a> , <a href="#">NP_001095.1</a>
RefSeq Size:	2938 bp
RefSeq ORF:	2706 bp
Locus ID:	89
UniProt ID:	<a href="#">Q08043</a>
Cytogenetics:	11q13.2
Protein Pathways:	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Systemic lupus erythematosus, Tight junction



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**MW:** 103.3 kDa

**Gene Summary:** This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status. [provided by RefSeq, Feb 2014]