

## Product datasheet for **MR211156L4V**

### Actn4 (NM\_021895) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Actn4 (NM_021895) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Actn4
Synonyms:	C77391
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021895
ORF Size:	2736 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211156).
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_021895.2</a>
RefSeq Size:	3859 bp
RefSeq ORF:	2739 bp
Locus ID:	60595
UniProt ID:	<a href="#">P57780</a>
Cytogenetics:	7 B1



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**Gene Summary:**

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation (By similarity). Involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. Links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions (PubMed:18332111). May also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA (By similarity).[UniProtKB/Swiss-Prot Function]