

## Product datasheet for **RC221637L4V**

### MAP2 (NM\_031845) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MAP2 (NM_031845) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAP2
Synonyms:	MAP-2; MAP2A; MAP2B; MAP2C
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031845
ORF Size:	1410 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221637).
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_031845.1</a>
RefSeq Size:	2466 bp
RefSeq ORF:	1416 bp
Locus ID:	4133
UniProt ID:	<a href="#">P11137</a>
Cytogenetics:	2q34
Domains:	tubulin-binding
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS

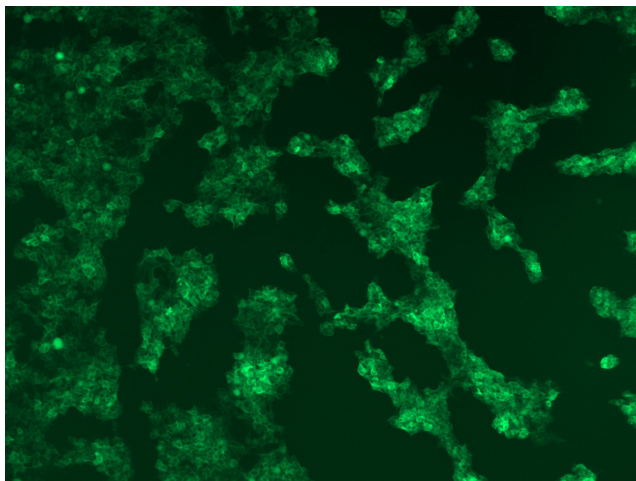


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MW: 49.5 kDa

**Gene Summary:** This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2010]

**Product images:**



[RC221637L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC221637L4V particle to overexpress human MAP2-mGFP fusion protein.