

## Product datasheet for **MR217978L4V**

### **Nckap1 (NM\_016965) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Nckap1 (NM_016965) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nckap1
Synonyms:	C79304; H19; Hem-2; Hem2; mh19; mKIAA0587; Nap1; p125Nap1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016965
ORF Size:	3384 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217978).
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
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_016965.3</a> , <a href="#">NP_058661.1</a>
RefSeq Size:	4403 bp
RefSeq ORF:	3387 bp



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Locus ID: 50884

UniProt ID: [P28660](#)

Cytogenetics: 2 48.21 cM

**Gene Summary:** Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705). [UniProtKB/Swiss-Prot Function]