

Product datasheet for **MR211687L4V**

Nckap1l (NM_153505) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nckap1l (NM_153505) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nckap1l
Synonyms:	4930568P13Rik; AI463083; Hem1; Hemp1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153505
ORF Size:	3402 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211687).
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_153505.4 , NP_705725.1
RefSeq Size:	4717 bp
RefSeq ORF:	3405 bp
Locus ID:	105855
UniProt ID:	Q8K1X4
Cytogenetics:	15 F3



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Gene Summary:

Essential hematopoietic-specific regulator of the actin cytoskeleton. Controls lymphocyte development, activation, proliferation and homeostasis, erythrocyte membrane stability, as well as phagocytosis and migration by neutrophils and macrophages (PubMed:19015308, PubMed:23424621). Component of the WAVE2 complex which signals downstream of RAC to stimulate F-actin polymerization (PubMed:23424621). Required for stabilization and/or translation of the WAVE2 complex proteins in hematopoietic cells (PubMed:19015308). Exhibits complex cycles of activation and inhibition to generate waves of propagating the assembly with actin. Also involved in mechanisms WAVE independent to regulate myosin and actin polymerization during neutrophil chemotaxis (By similarity).[UniProtKB/Swiss-Prot Function]