

Product datasheet for RR208810L4

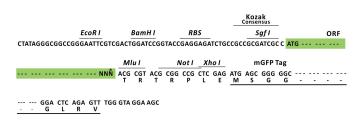
Arpc5 (NM_001025717) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Arpc5 (NM_001025717) Rat Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Arpc5
Synonyms:	MGC116419
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR208810).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GC ATG // NNN ACG CGT

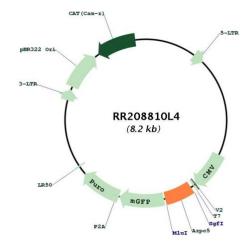


* The last codon before the Stop codon of the ORF.



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Plasmid Map:



ion number as a point of ame gene can differ through own valid existence. This plete review of all prevailing
expression tag. Expression
2D barcoded Matrix tube stitute with 100 ul of water).
lve the DNA. ure. Dxg) to concentrate the liquid cleast one year from date of

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	Arpc5 (NM_001025717) Rat Tagged Lenti ORF Clone – RR208810L4
Locus ID:	360854
UniProt ID:	Q4KLF8
Cytogenetics:	13q21
Gene Summary:	Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility. In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA. The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs).[UniProtKB/Swiss-Prot Function]

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