

Product datasheet for MR221642

Rims1 (NM_053270) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rims1 (NM_053270) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rims1
Synonyms:	C030033M19Rik; mKIAA0340; Rab3ip1; Rim; RIM1; RIM1a; RIM1alpha; Serg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221642 representing NM_053270 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR221642 representing NM_053270
 Red=Cloning site Green=Tags(s)

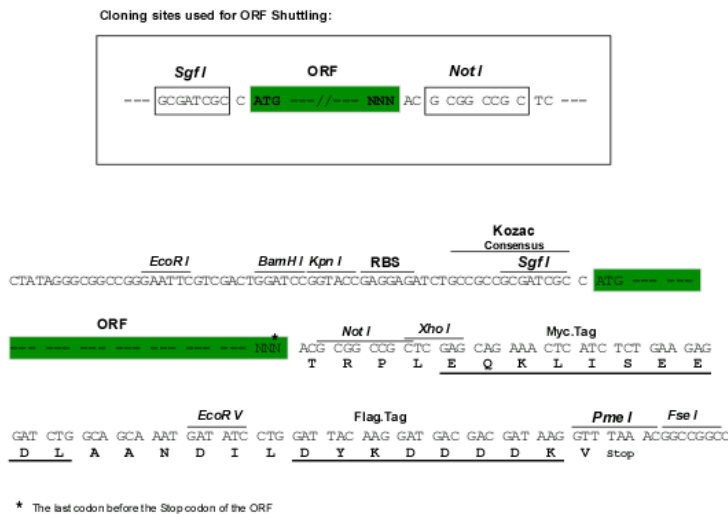
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Restriction Sites:

SgfI-NotI

Cloning Scheme:

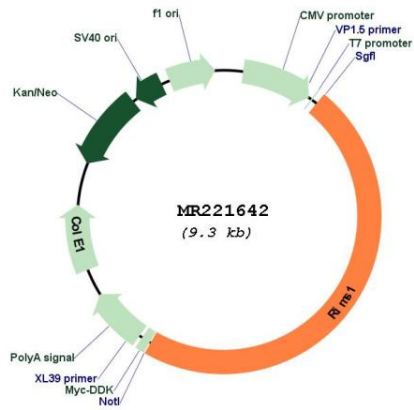


ACCN: NM_053270

ORF Size: 4389 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_053270.2
RefSeq Size:	4392 bp
RefSeq ORF:	4392 bp
Locus ID:	116837
UniProt ID:	Q99NE5
Cytogenetics:	1 A5
MW:	163.2 kDa
Gene Summary:	Rab effector involved in exocytosis (PubMed:11797009). May act as scaffold protein that regulates neurotransmitter release at the active zone. Essential for maintaining normal probability of neurotransmitter release and for regulating release during short-term synaptic plasticity (PubMed:11797009). Plays a role in dendrite formation by melanocytes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221642