

Product datasheet for RR213441L4

Mark3 (NM_130749) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids		
Product Name:	Mark3 (NM_130749) Rat Tagged Lenti ORF Clone		
Tag:	mGFP		
Symbol:	Mark3		
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(RR213441).	
Restriction Sites:	Sgfl-Mlul		
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF MIU I GCG ATC GC ATG// NNN ACG CGT Kozak		
	<u>Consensus</u> EcoR I BamH IRBSSgf I	ORF	
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGAGGAGATCTGCCGCCGCGGCGATCGC C			

 Mlu I
 Not I
 Xho I
 mGFP Tag

 ...
 ...
 ...
 ...
 ...

 T
 R
 T
 R
 P
 L

 M
 S
 G
 ...
 ...



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

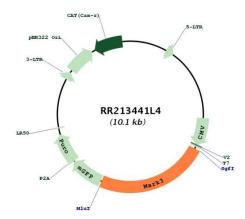
ACCN: ORF Size: NM_130749 2391 bp



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ORIGENE Mark3 (NM_130749) Rat Tagged Lenti ORF Clone – RR213441L4	
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. <u>More info</u>
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	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 130749.1, NP 570105.1</u>
RefSeq Size:	2700 bp
RefSeq ORF:	2394 bp
Locus ID:	170577
UniProt ID:	<u>Q8VHF0</u>
Cytogenetics:	6q32
Gene Summary:	protein kinase that may regulate microtubule dynamics [RGD, Feb 2006]

Product images:



Circular map for RR213441L4

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