

Product datasheet for RR202988L4

Rheb (NM_013216) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids		
Product Name:	Rheb (NM_013216) Rat Tagged Lenti ORF Clone		
Tag:	mGFP		
Symbol:	Rheb		
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(RR202988).		
Restriction Sites:	SgfI-Mlul		
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF M/ GCG ATC GC ATG// NNN ACG	Kozak	
	EcoR I BamH I RBS	<u>Sgfl</u> ORF	
	CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC	GCCGCGATCGC C ATG	

 Mlu I
 Not I
 Xho I
 mGFP Tag

 ...
 NNN
 ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC ...
 T
 R
 T
 R
 T
 R
 T
 R
 T
 R
 T
 R
 T
 R
 T
 N
 S
 G
 G
 <



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

ACCN: ORF Size: NM_013216 552 bp



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	(NM_013216) Rat Tagged Lenti ORF Clone – RR202988L4	
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 013216.1, NP 037348.1</u>	
RefSeq Size:	1088 bp	
RefSeq ORF:	555 bp	
Locus ID:	26954	
UniProt ID:	<u>Q62639</u>	
Cytogenetics:	4q11	
Gene Summary:	may play a role in synaptic plasticity [RGD, Feb 2006]	

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