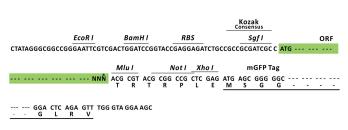


# Product datasheet for RR213236L4

# Epb41l4b (NM\_001127565) Rat Tagged Lenti ORF Clone

## **Product data:**

#### **Product Type: Expression Plasmids Product Name:** Epb41l4b (NM\_001127565) Rat Tagged Lenti ORF Clone Tag: mGFP Symbol: Epb41l4b RGD1562988 Synonyms: Mammalian Cell Puromycin Selection: Vector: pLenti-C-mGFP-P2A-Puro (PS100093) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RR213236). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Mlu I --- GCG ATC GC C ATG --- //--- NNN ACG CGT ---



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



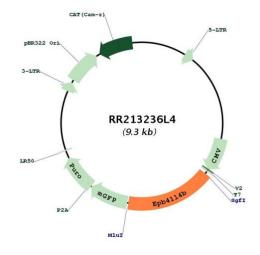
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### OriGene Technologies, Inc.

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### Plasmid Map:



ACCN:	NM_001127565
ORF Size:	1581 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. <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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 001127565.1, NP 001121037.1</u>
RefSeq Size:	2218 bp
RefSeq ORF:	1584 bp

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	Epb41l4b (NM_001127565) Rat Tagged Lenti ORF Clone – RR213236L4
Locus ID:	500464
UniProt ID:	B2RYE5
Cytogenetics:	5q24
Gene Summary:	Up-regulates the activity of the Rho guanine nucleotide exchange factor ARHGEF18. Involved in the regulation of the circumferential actomyosin belt in epithelial cells. Promotes cellular adhesion, migration and motility in vitro and may play a role in wound healing. May have a role in mediating cytoskeletal changes associated with steroid-induced cell differentiation. [UniProtKB/Swiss-Prot Function]

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