

OriGene Technologies, Inc.

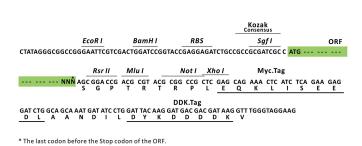
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RC227340L3

Prickle (PRICKLE1) (NM_001144883) Human Tagged Lenti ORF Clone

Product data:

| Product Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | Prickle (PRICKLE1) (NM_001144883) Human Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Prickle |
| Synonyms: | EPM1B; RILP |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC227340). |
| Restriction Sites: | Sgfl-RsrII |
| Cloning Scheme: | |
| | Cloning sites used for ORF Shuttling: |
| | Sgf I ORF Rsr II GCG ATC GC ATG // NNŇ AGC GGA CCG |



ACCN: NM_001144883 ORF Size: 2493 bp



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| | (PRICKLE1) (NM_001144883) Human Tagged Lenti ORF Clone – RC227340L3 |
|------------------------|--|
| 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 001144883.1</u> |
| RefSeq ORF: | 2496 bp |
| Locus ID: | 144165 |
| UniProt ID: | <u>Q96MT3</u> |
| Cytogenetics: | 12q12 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Wnt signaling pathway |
| MW: | 94.1 kDa |
| Gene Summary: | This gene encodes a nuclear receptor that may be a negative regulator of the Wnt/beta- catenin signaling pathway. The encoded protein localizes to the nuclear membrane and has been implicated in the nuclear trafficking of the transcription repressors REST/NRSF and REST4. Mutations in this gene have been linked to progressive myoclonus epilepsy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 3. [provided by RefSeq, Sep 2009] |

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