

## Product datasheet for **SC325350**

### Prickle (PRICKLE1) (NM\_001144883) Human Untagged Clone

#### Product data:

|               |                                                        |
|---------------|--------------------------------------------------------|
| Product Type: | Expression Plasmids                                    |
| Product Name: | Prickle (PRICKLE1) (NM_001144883) Human Untagged Clone |
| Tag:          | Tag Free                                               |
| Symbol:       | PRICKLE1                                               |
| Synonyms:     | EPM1B; RILP                                            |
| Vector:       | <u>pCMV6 series</u>                                    |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001144883, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTTGGAGATGGAGCCCAAGATGAGCAAAGTGGCCTTTGGCTGTCAGAGAAGTTCC
ACATCAGATGATGACTCTGGCTGTGCATTGGAGGAGTACGCCTGGGTCCCCCGGGCCTG
AGACCAGAGCAGATCCAGCTCTATTTTGCTTGTACCAGAGGAAAAAGTTTCCTACGTT
AACAGCCCCGGAGAGAAGCATCGGATTAACAGCTTTTGTACCAGTTACCACCACATGAT
AATGAGGTACGGTATTGCCAGTCTTTGAGTGAAGAGGAGAAAAAGAGTTGCAGGTGTT
AGTGCTCAGCGGAAGAAAGAAGCACTGGGAAGAGGAACAATTAAGCTTCTGTCCAGAGCA
GTCATGCATGCTGTGTGTGAGCAGTGTGGTTTGAAGATAAATGGAGGTGAAGTTGCAGTG
TTCGCCTCCCGTGCGGGCCCTGGTGTGTGCTGGCACCCATCCTGTTTTGTCTGTTTCAGG
TGTAATGAGCTGCTGGTCGACCTCATCTATTTTTATCAGGATGGAAAAATCACTGTGGC
AGGCACCATGCAGAACTGCTCAAACCACGGTGTCTCAGCATGTGACGAGATAATTTTTGCT
GATGAGTGCACAGAAGCTGAGGGTCGCCATTGGCACATGAAACACTTCTGCTGCCTTGAG
TGTGAAACGGTCTGGGAGGACAGAGGTATATCATGAAGGACGGCCGCCCTTCTGCTGT
GGCTGTTTTGAGTCTCTATGCGGAGTACTGTGAAACCTGTGGGGAACATATTGGTGTG
GACCATGCACAGATGACCTATGACGGGCAGCACTGGCACGCCACGGAAGCCTGCTTTTCT
TGTGCCAGTGTAAAGCCTCTTTGTTGGGATGTCCCTTCCCAAACAGGGTCAGATT
TACTGCTCAAAAACGTGCAGTCTTGGTGAAGACGTCCATGCCTCTGATTCTCCGACTCT
GCATTTAGCTCAGCTCGATCAAGAGACTCCCGAAGAAGTGTCCGAATGGGCAAGAGCAGC
CGGTGACAGATCAGTGTAGACAGTCTCTCCTCTATCGCCTGCTCTGAACTACAAGTTT
CCTGGCCTCTCAGGCAATGCTGATGACACCCTTCTCGAAAATTGGATGATCTGAGTCTC
TCCAGACAAGGAACAAGTTTTGCCAGTGAAGAATTTGGAAAGGCAGAGTAGAGCAGGAA
ACTCCAGAAGACCCTGAAGAATGGGCTGATCATGAAGATTATATGACGCAGCTCCTCCTC
AAGTTTTGGTGATAAAAGCCTCTTTTCAGCCACAGCCAATGAGATGGATATTTCGAGCCAGT
GAGCACTGGATATCTGATAACATGGTTAAAAGTAAAGCCGAGTTAAAGCAAAATAACCAG
AGCCTTGCAAGTAAAAATACCAGTCTGATATGTACTGGGCACAGTCACAAGATGGACTG
GGCGATTCTGCTTATGGCAGCCACCCAGGCCCTGCAAGCAGTAGAAGGCTTCAGGAATTG
GAACTGGACCATGGGGCTTCAGGGTATAATCATGATGAAACACAGTGGTATGAAGATTCC
CTGGAGTGTCTGTGACACCTGAAACCAGAGCAAAGTGTTCGGGATTGATGGATTCTTTG
GCATTGTCCAATATCACAGGGGCTTCGGTGGATGGAGAAAACAAGCCAAGGCCATCATTG
TATTCTCTGCAAAATTTGAGGAGATGGAAACAGAAGATTGTGAGAAGATGAGCAATATG
GGAACCTTTGAACTCTTCCATGCTGCACAGGAGTGCAGAGTCTTAAAGAGTCTAAGTTCA
GAGTTGTGTCCAGAGAAAATCCTGCCTGAAGAGAAGCCAGTACATCTGCCAGTGCTCAGA
AGGTCCAAGTCTCAATCCAGACCCAGCAGGTCAAGTTTTCTGATGATGTCATTGACAAAT
GGGAACATGACATTGAAATCCGGCAGCCTCCGATGAGTGAAGGACTCGGAGACCGCTC
TACAATTTTGAAGAGAGGGGATCCAGGTCTCATCACCACCGCCCGGAGAAAGTAGAAAG
TCCCGCTCCGACAATGCCTGAATCTTGTACAGAAAAGAAAATACTCTCCAAGGACAGA
CTGCGGCTGTACACCCCGATAACTATGAGAAAATTTATACAGAATAAAAGTGCCCGGGAG
ATCCAAGCATAACATCCAGAATGCTGATCTCTACGGACAGTACGCCATGCCACTTCCGAT
TATGGCCTGCAGAACCCAGGAATGAATCGTTTTCTGGGACTCTACGGCAGGATGATGAT
TCTTGGTGTCTTCTCCTCCTCCTCCTTCCGACTCGGAAGAAGAAGGATATTTTCTTGG
CAACCAATCCCTCAACCCCGCCACAGAGATTTGCCTACTATACAGATGACCTTTCTAGT
CCACCATCTGCACCTCCACCCCTCAGTTTGGTGCAGAGGACAACAAAATCCAAGAAGAAA
AAGGGACACAAGGGCAAAAATTGTATTATTCT

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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001144883

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|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq:</b>                | <u><a href="#">NM_001144883.1</a></u> , <u><a href="#">NP_001138355.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>           | 4250 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2496 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 144165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q96MT3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 12q12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Pathways:</b>      | Wnt signaling pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p> |