

Product datasheet for **SC325348**

Prickle (PRICKLE1) (NM_001144881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle (PRICKLE1) (NM_001144881) 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_001144881, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTTGGAGATGGAGCCCAAGATGAGCAAAGTGGCCTTTGGCTGTCAGAGAAGTTCC
ACATCAGATGATGACTCTGGCTGTGCATTGGAGGAGTACGCCTGGGTCCCCCGGGCCTG
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GTCATGCATGCTGTGTGTGAGCAGTGTGGTTTGAAGATAAATGGAGGTGAAGTTGCAGTG
TTCGCCTCCCGTGCGGGCCCTGGTGTGTGCTGGCACCCATCCTGTTTTGTCTGTTTCAGG
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TACAATTTTGAAGAGAGGGGATCCAGGTCTCATCACCACCGCCGCGGAGAAGTAGAAAAG
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CAACCAATCCCTCAACCCCGCCACAGAGATTTGCCTACTATACAGATGACCTTTCTAGT
CCACCATCTGCACCTCCACCCCTCAGTTTGGTGCAGAGGACAACAAAATCCAAGAAGAAA
AAGGGACACAAGGGCAAAAATTGTATTATTCT

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Restriction Sites: Please inquire
ACCN: NM_001144881

OTI Disclaimer:	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).
OTI Annotation:	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.
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 style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001144881.1, NP_001138353.1</u>
RefSeq Size:	4254 bp
RefSeq ORF:	2496 bp
Locus ID:	144165
UniProt ID:	<u>Q96MT3</u>
Cytogenetics:	12q12
Protein Families:	Druggable Genome
Protein Pathways:	Wnt signaling pathway
Gene Summary:	<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 (2) 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>