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Product datasheet for SC101342

Prickle (PRICKLE1) (NM_153026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle (PRICKLE1) (NM_153026) Human Untagged Clone
Tag:	Tag Free
Symbol:	Prickle
Synonyms:	EPM1B; RILP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC101342 sequence for NM_153026 edited (data generated by NextGen Sequencing)

ATGCCTTTGGAGATGGAGCCCAAGATGAGCAAACTGGCCTTTGGCTGTCAGAGAAGTTCC
ACATCAGATGATGACTCTGGCTGTGCATTGGAGGAGTACGCCTGGGTCCCCCCGGGCCTG
AGACCAGAGCAGATCCAGCTCTATTTTGCTTGCTTACCAGAGGAAAAAGTTCCTTACGTT
AACAGCCCCGGAGAGAAGCATCGGATTAAACAGCTTTTGTACCAGTTACCACCACATGAT
AATGAGGTACGGTATTGCCAGTCTTTGAGTGAAGAGGAGAAAAAAGAGTTGCAGGTGTTC
AGTGCTCAGCGGAAGAAAGAAGCACTGGGAAGAGGAACAATTAAGCTTCTGTCCAGAGCA
GTCATGCATGCTGTGTGTGAGCAGTGTGGTTTGAAGATAAATGGAGGTGAAGTTGCAGTG
TTCGCCTCCCGTGCGGGCCCTGGTGTGTGCTGGCACCCATCCTGTTTTGTCTGTTTCACG
TGTAATGAGCTGCTGGTCGACCTCATCTATTTTTATCAGGATGGAAAAATTCACTGTGGC
AGGCACCATGCAGAACTGCTCAAACCACGGTGCTCAGCATGTGACGAGATAATTTTTGCT
GATGAGTGCACAGAAGCTGAGGGTCGCCATTGGCACATGAAACACTTCTGCTGCCTTGAG
TGTGAAACGGTCCTGGGAGGACAGAGGTATATCATGAAGGACGGCCGCCCCTTCTGCTGT
GGCTGTTTTGAGTCTCTCTATGCGGAGTACTGTGAAACCTGTGGGGAACATATTGGTGTG
GACCATGCACAGATGACCTATGACGGGCAGCACTGGCACGCCACGGAAGCCTGCTTTTCT
TGTGCCCAGTGTAAAGCCTCTTTGTTGGGATGTCCCTTCCTTCCCAAACAGGGTCAGATT
TACTGCTCAAAAACGTGCAGTCTTGGTGAAGACGTCCATGCCTCTGATTCTTCCGACTCT
GCATTTCAGTCAGCTCGATCAAGAGACTCCCGAAGAAGTGTCCGAATGGGCAAGAGCAGC
CGGTCAGCAGATCAGTGTAGACAGTCTCTCCTCTTATCGCCTGCTCTGAACTACAAGTTT
CCTGGCCTCTCAGGCAATGCTGATGACACCCTTTCTCGAAAATTGGATGATCTGAGTCTC
TCCAGACAAGGAACAAGTTTTGCCAGTGAAGAATTTTGGAAAGGCAGAGTAGAGCAGGAA
ACTCCAGAAGACCCTGAAGAATGGGCTGATCATGAAGATTATATGACGCAGCTCCTCCTC
AAGTTTGGTGATAAAAGCCTCTTTCAGCCACAGCCCAATGAGATGGATATTCGAGCCAGT
GAGCACTGGATATCTGATAACATGGTTAAAAGTAAGACCGAGTTAAAGCAAAATAACCAG
AGCCTTGCAAGTAAAAAATACCAGTCTGATATGTACTGGGCACAGTCACAAGATGGACTG
GGCGATTCTGCTTATGGCAGCCACCCAGGCCCTGCAAGCAGTAGAAGGCTTCAGGAATTG
GAACTGGACCATGGGGCTTCAGGGTATAATCATGATGAAACACAGTGGTATGAAGATTCC
CTGGAGTGTCTGTCAGACCTGAAACCAGAGCAAAGTGTTCGGGATTCGATGGATTCTTTG
GCATTGTCCAATATCACAGGGGCTTCGGTGGATGGAGAAAACAAGCCAAGGCCATCATTG
TATTCTCTGCAAAATTTTGAGGAGATGGAAACAGAAGATTGTGAGAAGATGAGCAATATG
GGAACTTTGAACTCTTCCATGCTGCACAGGAGTGCAGAGTCCTTAAAGAGTCTAAGTTCA
GAGTTGTGTCCAGAGAAAATCCTGCCTGAAGAGAAGCCAGTACATCTGCCAGTGCTCAGA
AGGTCCAAGTCTCAATCCAGACCCCAGCAGGTCAAGTTTTCTGATGATGTCATTGACAAT
GGGAACTATGACATTGAAATCCGGCAGCCTCCGATGAGTGAAAGGACTCGGAGACGCGTC
TACAATTTTGAAGAGAGGGGATCCAGGTCTCATCACCACCGCCGCCGGAGAAGTAGAAAG
TCCCGCTCCGACAATGCCCTGAATCTTGTTACAGAAAGAAAATACTCTCCCAAGGACAGA
CTGCGGCTGTACACCCCCGATAACTATGAGAAATTTATACAGAATAAAAGTGCCCGGGAG
ATCCAAGCATACATCCAGAATGCTGATCTCTACGGACAGTACGCCCATGCCACTTCCGAT
TATGGCCTGCAGAACCCAGGAATGAATCGGTTTCTGGGACTCTACGGCGAGGATGATGAT
TCCTGGTGTTCTTCCTCCTCCTCCTCTTCCGACTCGGAAGAAGAAGGATATTTTCTTGGA
CAACCAATCCCTCAACCCCGGCCACAGAGATTTGCCTACTATACAGATGACCTTTCTAGT
CCACCATCTGCACTTCCCACCCCTCAGTTTGGTCAGAGGACAACAAAATCCAAGAAGAAA
AAGGGACACAAGGGCAAAAATTGTATTATTTCTTAA

Clone variation with respect to NM_153026.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153026 unedited
TTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTGCGCTGCTCACCC
TCGCCCACCCCTGACGCCGCGGACCGCAGCTCCTCAGCCCCGCAGCCCCGCAGCCCAGCA
GCCCCGCAGCGGCGCCGAGGACAGTGCAGCCGAGTTGCGTCTCCCTCGCGCGAGCAGCCA
TTGTTTGATGTCCTGTGACTGAGAAACCAGGCTTTAAACTTTATGCCTTTGGAGATGGAG
CCCAAGATGAGCAAACTGGCCTTTGGCTGTCAGAGAAGTTCCACATCAGATGATGACTCT
GGCTGTGCATTGGAGGAGTACGCCTGGGTCCCCCCGGGCCTGAGACCAGAGCAGATCCAG
CTCTATTTTGCTTGCTTACCAGAGGAAAAAGTTCCTTACGTTAACAGCCCCGGAGAGAAG
CATCGGATTAAACAGCTTTTGTACCAGTTACCACCACATGATAATGAGGTACGGTATTGC
CAGTCTTTGAGTGAAGAGGAGAAAAAAGAGTTGCAGGTGTTCAGTGCTCAGCGGAAGAAA
GAAGCACTGGGAAGAGGAACAATTAAGCTTCTGTCCAGAGCAGTCATGCATGCTGTGTGT
GAGCAGTGTGGTTTGAAGATAAATGGAGGTGAAGTTGCAGTGTTCGCCTCCCGTGCGGGC
CCTGGTGTGTGCTGGCACCCATCCTGTTTTGTCTGTTTCACGTGTAATGAGCTGCTGGTC
GACCTCATCTATTTTTATCAGGATGGAAAAATTCACTGTGGCAGGCACCATTGCAGACTG
CTCAAACCACGGTGCTCAGCATGTGACGAGATNNATTTTGCTGATGAGTGACAGAAGCTG
AGGGTCGCCATTGCACATGAAAACTTCTGTGCCTTGAGNNGGAACGTCCTGGAGGNAAGA
GTTTCATGNAAGACCGCCGCCTCTTTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153026 unedited
GTACTCTATGNACCGCGCCGCAATCTANGATCAGTTTTTTTTTTTTTTTTTACTTGTTT
TTACCATATATTCCAGGGGTTATGTGTGTGGAGGGGTTGTTTTTACATTTATACAGTTTA
CATTGCTTGACCCATAAGTAACACTTGTAAGATTAATAGGGCCATAGTTTTAAAGAGTAC
TTACATAGCCCCACCATGCATACAGAGCCTTTTTTAATATTGGAAAAAAAAATCAAAAAA
AGTTGAATTTTCCATCACTAGGCAATGTAAATTTGACCATCTACATTTATAAACCCTGAC
TAAAATATAAGCAATCAGTTCATCCATAAATTCTGGTTCCCTGGCAAATCTAGCACTGCA
GCGTAACAAACGGCTTACAATTCAGGGATATAAAAATATCAGCTTTAAAATCTGAACTGT
ACAGTATATACATTAATATTTGCACCGTTAAATTAGGAATACACTTAAGTCTATGAAATA
CTAAGTTATAAATAGCAATGTTTTTTGTTTTTTTTTTTCAATCTGTAGCTGGCGCTGATAC
AATACAATGTTTACCTGGCCAAAGAGGGTTCGAGGGGACAAGCTGGCCTCACAATAAGAT
GCACAGTGTTAGCTAGGTCATCGTGACAGGCATGCCTCACACCAAGACGGACTATCAAGA
CCTGAGCCGACCTGACTTACATAAATGACAAACACTAGTGCTTTACAAAGGTGGCTGGAG
TTCTCCATCTTCTAAAATCACATCCAATCCCCTTTAGTCAGCATCTTCAGTATTCCCTTG
GAGACTGGAAAACCAAGGCGCTACGTCCATCTGTAACGCACCCGACCGGAAAGGCACAAG
ATTGTCCGTCCCCCTGGCACCCTTCAAGAGGGGAAATTGGGGAAAACCAACCTTTAAAGG
TTAATCCGACCCGGTA

Restriction Sites: NotI-NotI

ACCN: NM_153026

Insert Size: 4000 bp

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).

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:	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:	NM_153026.1, NP_694571.1
RefSeq Size:	3293 bp
RefSeq ORF:	2496 bp
Locus ID:	144165
UniProt ID:	Q96MT3
Cytogenetics:	12q12
Domains:	LIM
Protein Families:	Druggable Genome
Protein Pathways:	Wnt signaling pathway
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] Transcript Variant: This variant (1) represents the longest transcript. 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.