

Product datasheet for **MC221957**

Prickle1 (NM_001033217) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Prickle1 (NM_001033217) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Prickle1 |
| Synonyms: | 1110058P22Rik; AW215793; b2b019Clo; mpk1; Prickle |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221957 representing NM_001033217
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTTTGGAGATGGAACCGAAAAATGAGCAAAGTGGTCTTCGGGTGCCAGAGAAGCTCCACATCAGATG
 ATGATTCGGCTGTGCACTTGAAGAGTATGCATGGGTCCACCGGCCTCAGGCCGAGCAGATCCAGCT
 CTATTTTCGCATGCTTGCAGAGGAAAAGTTCTTATGTTAACAGCCCTGGGAGAAAACACAGGATTA
 CAGCTCCTGTACCAAGTTCCTCCACACGATAACGAGGTGCGGTAAGTCCAGTCTTTGAGCGAAGAAGAGA
 AGAAGGAGCTGCAGGTGTTCAAGTCTCAGAGGAAGAAAGAGCTCTGGGAGAGGAACCATCAAAGTCTT
 GTCCAGAGCTGTGATGCACGCCGTGTGTGAGCAGTGTGGGCTGCAGATGAATGGAGGGGAGGTGGCCGTG
 TTCGCCTCCCGTGCAGGACCTGGAGTATGCTGGCACCCGCTCTGCTTTGTCTGCTTACGTGTAATGAAC
 TACTGGTCGACCTCATCTATTTCTATCAGGATGGAAAAATCCACTGTGGCAGGCACCACGCTGAAGTCT
 CAAGCCTCGGTGCTCAGCTGTGATGAGATCATTTTTGCTGACGAGTGCACGGAAGCCGAGGGTCCGCAC
 TGGCACATGAAGCATTTCTGCTGTCTGGAATGTGAGACAGTCTGGGAGGGCAGAGATATATCATGAAGG
 ACGGCCGCCCTTCTGCTGTGGCTGCTTCGAGTCTCTACGCTGAGTACTGCGAAACCTGTGGGGAGCA
 TATTGGTGTGGACCACGCACAGATGACCTACGACGGGCAGCACTGGCACGCCACAGAGGCCTGCTTTTCC
 TGTGCGCAGTGTAAAGCCTCGTTGCTGGGATGCCCTTCTCCGAAACAAGGTGAGATTTACTGCTCCA
 AGACCTGCAGCCTTGGGGAAGACATCCACGCCTGACTCCTCGGACTCCGCCTTCCAGTCAGCCAGATC
 CAGAGACTCTCGCAGGAGCGTGGAGTGGGAGAAAGCAGCCGCTCCGCCGACAGTGCAGCAGTCTCTT
 CTCTTGTCTCCCGCCTGAAGTACAAGTCCCGGGTCTCTCCGCAACGCTGACGACACCCCTTCCCGGA
 AGCTGGATGACGTGAGCCTCGCCAGCAGGAGGAGCAGGTTTCGCTAACGAGGAATTCGAAAAGCCAG
 AGTGGAGCAGGAAGCCTCCGAAGACCCCGAAGAATGGGCTGAGCATGAAGATTATGACGCAGTCTCTC
 CTCAAGTTCGGCGACAAAAACCTTCCAGCAGCAGAGCAGCAGGTTGGATCCGAGAGCCAGCGAGCACT
 GGATACCCGACAACATGTTACGAATAAGCCCGAGGTAAGCCGAATCACCAGGGCCTCGCGAGTAAAA
 GTATCAGTCTGATATGTACTGGGCCAGTCCCAAGACGGGCTGGGTGACTCTGCCTACGGCAGCCATCCA
 GGCCCCGCCAGCAGCCGAGGCTGCAAGAGCTAGATCTGGACCAGGTGCTGCGGGATATACTCATGACC
 AAAGCCAGTGGTATGAAGACTCCCTGGAGTGTCTATCTGACTTGAACCAGAACAGAGTATCCGGGATTC
 TATGGATTCTTTGGCGTGTCCAACATCACAGGGCATCAGTGGATGGAGAAAGCAAGCCAGACCGTCA
 TTATATTTCTCCAAAATTTGAGGAGATAGAGGCAGAAGATTGTGAGAAAATGAGCAATATGGGAAGT
 TGAAGTCTTCCATGCTGCACAGGAGTGCAGAATCCTTACAAAGTCTGAAGTCCAGGCTGTGCCAGAAAA
 AATTCTACCTGAGGAAAAACAGCACACCTGCCGGTGTCTCAGGAGATCCAAGTCCAGTCCCGACCACAG
 CAGGTCAAATTTTTCAGATGACGTCATTGACAACGGAAGCTACGACATCGAAATCCGGCAGCCTCCCATGA
 GCGAACGGACTCGGAGACGGGCGTATCACTTTGAAGAGAGGGGATCCAGGCCCTACCACCATCGCCACCG
 GAGAAGCAGAAAGTCTCGGTCCGACAACGCCCTGAACCTGGTACGGAAGGAAGTACTCCGCCAAGGAC
 AGACTTCGGCTGTACACCCCGATAACTATGAGAAATTCATACAGAATAAAAGCGCCCGGGAGCTCCAAG
 CCTACATGCAGAACGCCAACCTTATAGCCAGTATGCCATGCCAGTCTGATTACGCCCTGCAGAACCC
 AGGGATGAACCGTTTCTGGGGCTCTGCGGCGAGGACGACGACTCGTGGTGTTCGCTCCACGCTCTCC
 TCCGACTCAGAAGAAGAAGGCTATTTCTTGGCCAGCCGATCCCTCAGCCACGGCCACAGAGATTACCT
 ACTATACAGATGACCTTTCTAGCCCGGCTTCCGCACTGCCACCCACAGTTTACTCAGAGGACAACCTAA
 ATCCAAGAAGAAAAAGGACACAAGGGCAAAAAGTGTATCATTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033217
Insert Size: 2499 bp

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| 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: | <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: | NM_001033217.4 , NP_001028389.1 |
| RefSeq Size: | 4085 bp |
| RefSeq ORF: | 2499 bp |
| Locus ID: | 106042 |
| UniProt ID: | Q3U5C7 |
| Cytogenetics: | 15 E3 |
| Gene Summary: | Involved in the planar cell polarity pathway that controls convergent extension during gastrulation and neural tube closure (By similarity). Convergent extension is a complex morphogenetic process during which cells elongate, move mediolaterally, and intercalate between neighboring cells, leading to convergence toward the mediolateral axis and extension along the anteroposterior axis. Necessary for nuclear localization of REST. May serve as nuclear receptor (By similarity).[UniProtKB/Swiss-Prot Function] |