

Product datasheet for **MC218922**

Prickle3 (NM_175097) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle3 (NM_175097) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prickle3
Synonyms:	Lmo6; Sfc16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218922 representing NM_175097
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCCGGCTCATCTCAGACTTCCAGCGCCACTCCATTTCCGATGACGACTCAGGCTGTGCCTCAGAGG
 AGTATGCCTGGGTACCCCTGGCCTTAAGCCGGAGCAGGTTTACCAGTTTTTCAGTTGCCTTCCAGAGGA
 CAAGGTCCCTATGTCAACAGTCTGGGGAGAAATACAGAATAAAGCAGCTACTGCACCAGCTACCCCA
 CACGACAGTGAGGCACAGTACTGCACGGCCCTGGAAGAGGAGGAGAAGAAAGAGTTGCGAGCCTTACGCC
 AGCAGAGGAAGCGGGAGAATCTGGGACGAGCCACCGTTGGAATCTTCCAGTGACCATTACTGGGCCAT
 CTGCGAGGAGTGTGGCAAGCAGATCGGCGGTGGGACATTGCAGTCTTCCAGCCGCGCAGGCCTTGGT
 GCCTGTTGGCACCTCAGTGCTTGTGTGTACCACGTGCCAGGAGCTGCTGGTTGACCTCATCTACTTCT
 ATCATGCTGGCAAGTCTACTGTGGCGCCACCATGCTGAGTGTCTGCGTCTCGCTGCCAAGCGTGTGA
 TGAGATCATTTCTCCCCTGAATGTACGGAGGCGGAGGGGCGACTGGCACATGGGTCACTTCTGTGT
 TTCGAGTGTGAAGCTTCGTTAGGAGGGCAGCGCTATGTCATGCGTCAGAGCCGCCCCACTGCTGTGCC
 GCTATGAGGCCGCCATGCGGAATACTGTGATGGCTGTGGGAACACATCGGCCCTGGACCAGGGCCAGAT
 GGCTTATGAGGGCCAACACTGGCACGCTTCCAGATCGCTGCTTCTGCTGTAGCCGTTGCAGTCGACCTCTT
 CTGGGCCGCCCTTCTGTCACGCGCGAGGCCTGATCTTCTGCTCACGAGCCTGCAGCCTTGGGTCTGAGA
 CCACTGCTCCAGGGCCCGGCGGACGACGCTGGAGCGCCGGCACCGTCCACACCCGCTCACAACTTCTAC
 AGCTTCTTCTCAGCTACGGAGGGGACATCAGAGACAGCCAGCAAAGGCACCTGTACCAAGGCAGAGCCT
 GCTGCAGGCCCTGAAGAGCCCTCCACTTTCTGAGAGGGGCCCCCACCGCCATTCTATGCCTGAATGC
 GACTCCGAGTGCTCCTGAGCCACCCACAGAATCCCCTGGCCATCCTGCCCGCATCCAGATGATAATGC
 CTTTGGTCGCCAAAGTACACCTCGTGTACAGCTTCCGAGACCCTCTGGTGTCTGAAGGAGGTCCACGAAGG
 ACCCTTAGTGACCTCCAGCCCAGCGCCGTAGACCACGAAGTCCCCCACCAGGACCCCCAGCTGCCACC
 ACCACCACCATCATCGCCGCGGCGCCAGCGGCACCGCCGCGAGGGAGCCACCATCACCACCACCATCC
 TGGCAGACATGGCCACCATCGCTGTGACTTGGGATCAGGTTTCCAGATTCCAGGATCTTGCTCCAGCTCACC
 TCCAGCCCCAGTTCAGAGTCTTCTGAGGATGATGGCTTCTTCTGGGGAAACGTATCCCACTGCCCCCTC
 ACCTGTGCAGGCCAGGACCACTCAGGACACCTCAACCGAAACCTTTAACTCCCCAGCCAGCCACTGT
 CCAGGAGTCTACCCCGTGATGCCTCGCCAGACCCGGGACAAGAAGTGCATCGTGGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_175097
- Insert Size:** 1671 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_175097.3](#), [NP_780306.1](#)

RefSeq Size: 2376 bp

RefSeq ORF: 1671 bp

Locus ID: 54630

Cytogenetics: X 3.45 cM

Gene Summary: Involved in the planar cell polarity (PCP) pathway that is essential for the polarization of epithelial cells during morphogenetic processes, including gastrulation and neurulation (By similarity). PCP is maintained by two molecular modules, the global and the core modules, PRICKLE3 being part of the core module (By similarity). Distinct complexes of the core module segregate to opposite sides of the cell, where they interact with the opposite complex in the neighboring cell at or near the adherents junctions (By similarity). Involved in the organization of the basal body (By similarity). Involved in cilia growth and positioning (By similarity). [UniProtKB/Swiss-Prot Function]