

Product datasheet for **MC219416**

Pof1b (NM_181579) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pof1b (NM_181579) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pof1b
Synonyms:	2310066B14Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219416 representing NM_181579
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAGCTCAAGCTATTGGAGTGAGACCAGCAGCAGCAGCTGCGGGACCCAGCAGCCACAGAGGTCC
 TGCAGTGCCAGCCTCAGCATTACCACTATTACCATCAGCCAAGTCAAGCCAGCAGCCTCCAGAAAAAA
 TGTAAGTATGAACGAGTGAGGACCTACAGTGGGCAATGAACAAGGTGGTGCAGGCCTTGACCCGCTC
 GGCTCACGGGAAGTGCTCTCCCCTCTCAAACCTGCCTCCTCTACCAAAGTTTGGTTGGAGCGACCATT
 CCCAGGAGCTCTATTCTCCAACCTGAAAAATCTACTTGTGCACCAAGCACTCTCCACATAACACAAAA
 TGCTGAACAGGAAGTCCATTCTCCAACAGTGAAGTTACTACATATCCACAAACCACCATTAGGAGATAC
 ATAGTACAAAACCCTGAACAGGAACCATTGTCTCCTTTCTAAGAGGAAGTCAATTCTTCCAGGAAACA
 ATGTAATTTATGAAAAACAATAAGAAAAGTGGAGAAGCTCAACACAGATCAAGAATGTTGCTCCTCAAT
 TCAGTGCCATCATCATGTCCAGCAACCCAGATCATCCACTCGCCACATTGTCAACAGTCCCATTCT
 AGCCATCAAATCCAGTGTATAACAGAAAATGATTCAAATATTGGGCATGAACTCTGTCTGCGGGCCAA
 GCCAAATACACGAACAGGTGATAATTGAGGATGATGGCCCTGAAAAATTGGATCCCAAATATTTGGAGA
 GTTGCTTGCTGATCTAAGTCGCAAGAATACAGACCTATACACTGCTTATTAGAACATTTGGAGCGAATT
 GGAGGAAGCAAACAAGATTTTGGAGTCCACAGATACATCAGAAGACATTGAGTCAATTGATTCCCAAAGGAC
 TGTGAGAGTTTACAAAACAGCAAATTCGTTATATTCTGCAGATGAGGGGTATGTCTGATAAGTCCCTGAG
 ACTAGTGTGTCCACGTTTAGCAACATACGGGAGGAAGTGGACATCTTCAAATGATTTGACATCACTG
 GAAAATGACAAGATAAGACTTGAAGGACTTGGCATTCAAAGAAAATCAAATGAAAGAGTATGAAGAAC
 TCTTGGCATCAGTGAGAGCAAATAATCGCCAACAGCAACAAGGACTTCAAGACTCAAGCGCAAATGTCA
 GTCATTGGAAGAAAATAACCTTTCTCTTCGACATACACTGTGAGACTTGAATACAGACTGAAAGAACTT
 GAGTATTGTAACGCAATTTAGAGCAAGAGAATAAAAACCTTAGAATACAGGTGTCTGAGACTTGCACAG
 GCCCTACACTACAGGCTAAAATGGATGAGATTGGCAATCATTATATGGAGATGGTAAAAAAGTGGACT
 TGATAAAGATAGAGAAATCAGCAAGCTAAGGTCCCAATTAACCAGTACCAAAAAGATGTTTCAAAAAGA
 GAAGGAAGTTGTAGTATTCCAATTCAAACCTCATGAATTGACAAGTTTGTGGAAGAGAAGGATTCTC
 TAATAAAGCGTCAATCAGAGGAAGTCTCAAAGTTGAGACAAGAAATATATTCATCCATAACCAACCCTC
 TTGTGGTGAAGGACTACAATCACCAAAAAAGTACAGAACACAGTATCCAATCCTAGGCTCCTGTAC
 GATGACTATGAATATATACCACCAGGTAGTGACACACAAACGATTGTGATCGAGAAAAGTGAAGACAAAT
 GGACTTGTCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_181579
- Insert Size:** 1764 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_181579.1](#), [NP_853557.1](#)

RefSeq Size: 3909 bp

RefSeq ORF: 1764 bp

Locus ID: 69693

UniProt ID: [Q8K4L4](#)

Cytogenetics: X E1

Gene Summary: Plays a key role in the organization of epithelial monolayers by regulating the actin cytoskeleton. May be involved in ovary development (By similarity).[UniProtKB/Swiss-Prot Function]