

## 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219416 representing NM\_181579  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**

ATGATGAGCTCAAGCTATTGGAGTGAGACCAGCAGCAGCTGCGGGACCCAGCAGCCACAGAGGTCC  
 TGCAGTGCCAGCCTCAGCATTACCACTATTACCATCAGCCAAGTCAAGCCAGCAGCCTCCAGAAAAA  
 TGAGTGTATGAACGAGTGAGGACCTACAGTGGGCCAATGAACAAGGTGGTGCAGGCCTTGACCCGCTC  
 GGCTCACGGGAAGTGCTCTCCCTCTCAAACCTGCCTCCTCTACCAAAGTTTGGTTTGGAGCGACCATT  
 CCCAGGAGCTCTATTCTCCAACCTCTGAAAAATCTACTTGTGCACCAAGCACTCTCCACATAACAAAA  
 TGCTGAACAGGAAGTCCATTCTCCAACAGTGAAGTTACTACATATCCACAAACCACCTTAGGAGATAC  
 ATAGTACAAAACCTGAACAGGAACCATTTGCTCCTTTCTAAGAGGAAGTCAATTTCTCCAGGAAACA  
 ATGTAATTTATGAAAAACAATAAGAAAAGTGGAGAAGCTCAACACAGATCAAGAATGTTGCTCTCAAT  
 TCAGTGCCATCATCATGTCATCCAGCAACCCAGATCATCCACTCGCCACATTGTCAACAGTCCCATTCT  
 AGCCATCAAAATCCAGTGTATAACAGAAAATGATTCAAATATTGGGCATGAACTCTGTCTATGGCGGCCAA  
 GCCAAATACACGAACAGGTGATAATTGAGGATGATGGCCCTGAAAAATTGGATCCCAAATATTTGGAGA  
 GTTGCTTGCTGATCTAAGTCGCAAGAATACAGACCTATATCACTGCTTATTAGAACATTTGGAGCGAATT  
 GGAGGAAGCAACAAGATTTTGGAGTCCACAGATACATCAGAAGACATTGAGTCATTGATTTCCCAAAGGAC  
 TGTCAGAGTTTACAAAACAGCAAATTCGTTATATTCTGCAGATGAGGGGTATGTCTGATAAGTCCCTGAG  
 ACTAGTGCTGTCCACGTTTAGCAACATACGGGAGGAAGTTGGACATCTTCAAATGATTTGACATCACTG  
 GAAATGACAAGATAAGACTTGAAAAGGACTTGGCATTCAAAGAAAATCAAATGAAAGAGTATGAAGAAC  
 TCTTGGCATCAGTGAGAGCAAATAATCGCCAACAGCAACAAGGACTTCAAGACTCAAGCGCAAAATGTCA  
 GTCATTGGAAGAAAATAACCTTTCTCTTCGACATACACTGTGAGACTTGAATACAGACTGAAAGAACTT  
 GAGTATTGTAAACGCAATTTAGAGCAAGAGAATAAAAACTTAGAATACAGGTGTCTGAGACTTGCACAG  
 GCCCTACACTACAGGCTAAAATGGATGAGATTGGCAATCATTATATGGAGATGGTAAAAAAGTTGAGACT  
 TGATAAAGATAGAGAAATCAGCAAGCTAAGGTCCCAATTAACCAGTACCAAAAAGATGTTTCAAAAAGA  
 GAAGGAAGTTGTAGTGATTTCAATTCAAACCTCATGAATTGACAAGTTTGTGGAAGAGAAGGATTCTC  
 TAATAAAGCGTCAATCAGAGGAAGTCTCAAAGTTGAGACAAGAAATATATTCATCCCATACCAACCCTC  
 TTGTGGTGAAGGACTACAATCACCACAAAAAAGTACAGAACACAGTATCCAATCCTAGGTCTCCTGTAC  
 GATGACTATGAATATATACCACCAGGTAGTGACACACAAACGATTGTGATCGAGAAAAGTGAAGACAAAT  
 GGACTTGTCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 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:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<u>NM_181579.1</u> , <u>NP_853557.1</u>
RefSeq Size:	3909 bp
RefSeq ORF:	1764 bp
Locus ID:	69693
UniProt ID:	<u>Q8K4L4</u>
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]