

## Product datasheet for **MC223727**

### **Pkp4 (NM\_175464) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pkp4 (NM\_175464) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pkp4  
**Synonyms:** 5031422I09Rik; 9430019K17Rik; Armrp; p0071  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223727 representing NM\_175464  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCGCCCTGAACAGGGCTCACTGGTGGAGGAGGGGCAACCACAGACCCACCAGGAAGCTGTCTCCA  
 CTGGCCAGGCATGGAACCCGAGACCACAGCCACCACTATTCTAGCTTCCGTGAAGGAGCAGGAGCTTCA  
 GTTTCAACGACTCACCCGAGAAGTGAAGTGGAAAGCAGATTGTTGCCAGTCAGCTAGAAAGATGTAGG  
 CTTGGAGCAGAATCGCCAAGCATCGCCAGCACCAGCTCAACTGAAAAGTCATTTCCCTGGAGATCAACAG  
 ATGTGCCAAATCCTGGTGTGAGCAAACCTAGAGTTTCTGACACTATTCATCCCAACAACTATCTCATCAG  
 GACAGAGCCAGAACAGGGGACCCCTACTACCAGAACAGACTTCTCTCCATGAAAGTGAGGGATCGTTG  
 GAAAACCAAGAAGTTCAACACAGATGAATTCTTACTCTGACAGTGGGTACCAGGAAGCAGGGAGTTTCC  
 ACAACAGCCAAACCGTGAACAAGGCAGACAGCAGACATCCATTCACAGGATCAACAAGTAACCATGT  
 GGTGAGGACTTCAAGAGCTGAAGGACAAACACTGGTTCAGCCATCAGTAGCCAATCGGGCCATGCGGAGA  
 GTTAGTTCAGTTCATCTAGAGCACAGTCTCCTTCTTATGTTACCAGCACAGGCGTGTCTCCTTCAAGGG  
 GGTCAGTGAAGACTTCTCTGGTAGTGGATTTGGCTCTCCATCAGTGACGACTCCCGACCTCTGAACCC  
 CAGTGCTTACTCCTCCAGCACGCTCCCTGCACAGCGGGCCGCTCTCCATCTCACAGAGACCCGCTCC  
 CCAACAGCCGTGCGCCGGTCTGTGACCTCCCGGACAGCTCCAATCCCAACGGACAGTCCCTC  
 AGTACCAGACCACCAGGGTGGGGTCCCACTGACCCTGACTGATGCCAGACTCGAGTAGCTTCCCC  
 ATCCCAAGGCCAGGTGGGGTCACTGTCCTCCCGAAACGCTCTGGGATGACCGCCGTACCACAGCACCTGGGA  
 CCTTCACTGCAAAGGACTGTTATGACATGGACCAATTTGGACAGCAGCAGTATGACATTTATGAAAGGA  
 TGGTTCACCTCGCCAGACAGCCTGACAGGCTTACGGAGTTCATGCCAGTCAGCATAGTCAGCTTGG  
 GCAAGAGCTCCGTTAGCTGTGCTCCTGACTTGACATCACTCCTATCTATGAAGGGAGGACCTACTAC  
 AGTCCAGTGTACCGCAGCCAAACACGGGACCGTGGAGTCCAGGGTCCAGAGCATTGTATCGCA  
 CAGGCTCAGTAGTATTGAAATCTACAAAGGACATCCAGCCAGCGAAGCACCTTACATACCAAAGAAA  
 TAACTATGCCCTGAACACAGCAGCTACCTATGCGGAGCCCTACAGGCCAGTTCAGTACCGAGTCCAAGAG  
 TGCAGCTATAACAGGCTGCAGCACACAGGGCCAGCTGATGACGGTCCACAAGATCCCCATCAATAGACA



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GCATTCAGAAGGACCCAGGGAGTTTGCCTGGCGTGACCCTGAGCTGCCAGAAGTCATTCACATGCTGCA
GCACCAGTTCCCATCGGTCCAGGCAATGCCGCAGCCTACCTGCAGCATCTGTGCTTTGGTGACAACAAA
GTGAAGATGGAGGTGTACAGGCTAGGGGGAATCAAGCATCTGGTCGACCTGTTGGACCACAGGGTGTGG
AAGTTCAGAAGAATGCTTGTGGCGCCCTTCAAACCTTGTGTTTGGCAAGTCAACAGACGAAAAATAAAAT
AGCAATGAAGAACGTTGGTGGAATCCCTGCCTTGTGCGACTGTTAAGAAAATCCATTGATGCAGAAGTA
AGGGAGCTTGTACAGGGGTTCTTTGGAATCTATCTTCGTGTGATGCTGTAAGAGTACAATCATTTCGAG
ACGCGCTCTCAACCTTAACCAACACTGTGATAGTCCACATTCTGGTTGGAATAACTCTTCCTTTGATGA
TGATCATAAAAATTAATTTTCAGACCTCACTGGTTCTTCGGAACACAACAGGTTGCCTGAGGAACCTCAGC
TCTGCCGGGGAGGAAGCACGAAAACAAATGCGCTCCTGCGAGGGGCTGGTGGACTCGCTGTTGTATGTGA
TCCACACGTGTGTGAACACTTCTGACTACGACAGCAAGACAGTGGAGAAGTGTGTGTGTACCCTGAGGAA
CCTGTCTATACCGGCTGGAGCTGGAAGTCCCTCAGGCCCGGCTGCTCGGACTGAACGAGCTAGATGACTTA
CTAGGAAAAGAGTCTCCAGCAAAGACTCGGAACCAAGCTGTGGGAAAGAAGAAGAAAAAGAAAAAGA
GAACGCCACAAGAGGACCAATGGGATGGAGTCGGGCTATCCCTGGACTGTCCAAGTCCCCAAGGGAGT
CGAGATGCTGTGGCATCCATCAGTGGTAAAGCCGTACCTGACTCTGTTAGCAGAAAAGTTCCAACCCTGCC
ACCTTGAAGGCTCTGCCGGATCCCTGCAGAACCTCTCTGCTGGCAACTGGAAGTTTGCAGCATAACATCC
GGGCAGCTGTCCGGAAGGAAAAAGGGCTTCTATCCTTGTGAGCTTCTAAGGATGGATAATGACAGAGT
TGCTCTTCTGTGGCCACTGCCTTGAGGAACATGGCGCTGGACGTTTCGCAACAAGGAGCTCATAGGTAAG
TACGCCATGCGAGACCTGGTGAACAGGCTTCCAGGTGGCAACGGCCCCAGCATCCTGTCCGATGAAACCG
TGGCAGCCATCTGCTGTGCTCTGCACGAGGTACCAGCAAAAACATGGAGAATGCCAAAGCTCTGGCCGA
CTCGGGAGGTATAGAGAAGCTGGTGAACATAACCAAAGGCAGAGGAGACAGATCCTCTCTGAAAAGTGGTG
AAGGGCGCAGCCAGGTCTTGAATACATTATGGCAGTACCGGGACCTCCGGAGCATTACAAAAAGGATG
GGTGGAAATCAGAACCATTTTATTACACCTGTGTCCAGCTAGAGCGAGACCGATTCAAATCACACCCTTC
TCTGTCCACCACCAACCAACAGATGTCGCCATCATTCACTGAGGCTCCAGCAAACTTCAACCAATATAC
ATCAGTTTCTATTCTCACCAGCAAGAGAACAAAATAGACGGCTACAGCATCAGCAGCTGTACTATCAAG
ATGACTCCACCAGGAAGACCTTGGATGCATACAGACTGTACCTGCACTCTCCTCGAAGCTATGAAGACCC
TTATTGTGATGACCGAGTTCACCTCCAGCTTCTACTGATTACTCAACGCAGTACGGACTGAAATCAACC
ACGAATTATGTAGACTTTTATTCCACTAAACGACCTTCTTATAGAGCCGAACAGTACCCTGGGTCCCCGG
ACTCCTGGGTGTAG
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ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_175464
- Insert Size:** 3444 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\\_175464.2](#), [NP\\_780673.2](#)

**RefSeq Size:** 4513 bp

**RefSeq ORF:** 3444 bp

**Locus ID:** 227937

**UniProt ID:** [Q68FH0](#)

**Cytogenetics:** 2 C1.1

**Gene Summary:** Plays a role as a regulator of Rho activity during cytokinesis. May play a role in junctional plaques (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an alternate in-frame segment in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) has a shorter C-terminus when it is compared to isoform 1.