

## Product datasheet for MR220119

### Pin4 (NM\_027181) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pin4 (NM\_027181) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pin4  
**Synonyms:** 2410002I22Rik; EPVH; Par14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220119 representing NM\_027181  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGCAAGGGGAAAAGTGGTTCTGGAAAAGGAGGGAAAAGGAGGTGCAGCCTCTGGGAGTGACAGTG  
CTGACAAGAAGTCTCAGGGTCCTAAAGGTGGTGGCAATGCAGTAAAGGTGAGACACATTCTGTGAAAA  
ACATGGGAAAATCATGGAAGCCATGGAAAAGTTAAAGTCTGGGATGAGATTCAGTGAAGTGGCCACACAA  
TATAGTGAAGATAAAGCCAGACAAGGGGGTGACTTGGGTTGGATGACCAGAGGATCCATGGTGGGCCAT  
TTCAAGAAGCAGCGTTTGCCTTGCTGTAAGTGGGATGGATAAGCCTGTGTTTACAGACCCACAGTTAA  
GACAAAATTTGGATATCATATTATTATGTTGAAGGGAGAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220119 representing NM\_027181  
Red=Cloning site Green=Tags(s)  
MPPKGGKSGSGKGGKGAASGSDSADKKSQPKGGNAVKVRHILCEKHGKIMEAMEKLKSGMRFSEVATQ  
YSEDKARQGGDLGWMTRGSMVGFQEAALPVSMDKPVFTDPPVKTKFGYHIIMVEGRK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9052\\_b08.zip](https://cdn.origene.com/chromatograms/mm9052_b08.zip)

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_027181

**ORF Size:** 393 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_027181.2](#)

**RefSeq Size:** 478 bp

**RefSeq ORF:** 396 bp

**Locus ID:** 69713

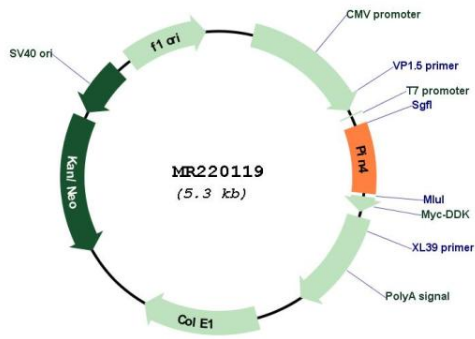
**UniProt ID:** [Q9CWW6](#)

**Cytogenetics:** X D

**MW:** 14.3 kDa

**Gene Summary:** Involved as a ribosomal RNA processing factor in ribosome biogenesis. Binds to tightly bent AT-rich stretches of double-stranded DNA (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220119