

## Product datasheet for **MR224480**

### **Mpp6 (NM\_001164734) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Mpp6 (NM_001164734) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | Mpp6                                       |
| Synonyms:                 | P55t; Pals2                                |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>MR224480 representing NM\_001164734  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCAAGTTTTGAAAAACCTTACAGAGCTGCCCTCATCTACAGGAGCAGAGGAGATAGACCTAATTT  
 TCCTCAAGGGGATTATGGAGAATCCTATTGTGAAGTCACTTGCTAAGGCTCATGAGAGACTTGAAGATTC  
 AAAGTTAGAAGCTGTGAGTGACAATAAAGTTGGAATTAGTGAATGAAATCCTTGAAGATATCACTCCTCTG  
 ATTAGTGTGGATGAAAATGTGGCAGAGCTAGTTGGGATACTCAAGGAGCCTCACTTCCAGTCGCTCCTGG  
 AGGCCCATGATATTGTGGCATCAAAGTGTATGATTCGCCTCCTCCAGCCAGAAAATGAATATTCCTTC  
 TCTCAATAATCAATTGCCAGTAGATGCCATCCGTATTCTCGGTATTCACAAAAAGCTGGAGAGCCATTG  
 GGTGTAACATTTAGAGTTGAAAATAATGATCTGGTAATCGCCGAATCCTTCATGGAGGAATGATAGATC  
 GACAAGGTCTGCTTACGTGGGAGATATCATTAAAGGAAGTCAATGGTCATGAGGTTGAAAACAATCCAAA  
 GGAATTACAAGAATTATTGAAAAATATTAGTGGAAAGTGCACCCTAAAAATTTTACCAAGTTACAGAGAT  
 ACTATTACTCCTCAGCAGAGTTACGTCAATATGGAGAGGCACCCAGCCACGTCCGTGAGGATTTGTCA  
 AGTGTCATTTTGATTATAATCCATTCAATGATAACCTGATACCCTGCAAAGAAGCAGGACTAAAAATTTTC  
 CAAAGGAGAAAATCCTCAGATTGTAACAGAGAAGACCCAAATTTGGTGGCAGGCTAGCCATGTGAAAGAG  
 GGAGGAAGTGCTGGTCTGATTCCAAGCCAGTTCCTGGAAGAGAAGAGAAAAGGCATTTGTTCCGCCGAGACT  
 GGGACAATTCAGGACCCTTTTGTGGAACATAAGCAACAAGAAAAAGAAAAGATGATGTACCTCACAAC  
 CAGGAATGCAGAGTTTGTGTCATGAAATTCAGATCTATGAGGAAGTAGCAAAAATGCCACCCTTCCAA  
 CGGAAAACGTTAGTTTTGATCGGAGCTCAAGGTGTGGCAGAAGGAGCTGAAAAACAGGTTCATAGTAC  
 TGAATCTGCTAGATTTGGAACAACGGTCCATTTACTTCACGGAAGCCAAGAGAAGCAAAAAGGATGG  
 ACAAGCATATAAAATTTGTGTCGCCGATCAGAGATGGAAGCAGATATTAAGGCTGGGAAGTATTTGGAGCAT  
 GGGGAGTACGAAGGAAACCTGTATGGAACCAAGATCGACTCTATTCTCGAGGTTGTCCAGACTGGGCGGA  
 CTTGCATTTTGGACGTCAACCCACAAGCACTGAAAGTGTAAAGGACTTCTGAATTCATGCCTTATGTGGT  
 GTTTATTGCTGCTCCAGAGCTAGAGACCTTGCCTGCCATGCACAAGGCTGTGGTGGATGCGGGAATCACC  
 ACCAAGCTTTTGACGGACTCTGACTTGAAGAAAACAGTGGATGAAAGTGCCCGAATTCAGAGAGCATACA  
 ACCACTACTTTGATTTGATCATCGTAAATGACAATCTAGACAAAGCCTTTGAGAACTACAAACTGCCAT  
 TGAGAAACTGAGGATGGAGCCACAGTGGTCCCAATTAGCTGGGTGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224480 representing NM\_001164734  
 Red=Cloning site Green=Tags(s)

MQQVLENLTELPSSTGAEEIDLIFLKGIMENPIVKS LAKAHERLEDSKLEAVSDNNLELVNEILEDITPL  
 ISVDENVAELVGILKEPHFQSLLEAHDIVASKCYDSPSSPEMNIPSLNNQLPVDAIRILGIHKKAGEPL  
 GVTFRVENNDLVIARILHGGMIDRQGLLHVGDIIKEVNGHEVGNPKELQELLKNI SGSVTLKILPSYRD  
 TITPQQSYVNMRHPAHVRQVFKCHFDPNPNLIPCKEAGLKF SKGEILQIVNREDPNWQASHVKE  
 GGSAGLIPSQFLEEKRKAFVRRDWDNSGPF CGTISNKKKKMMYL TTRNAEFD RHEIQIYEEVAKMPPFQ  
 RKTLVLIGAQGVGRRSLKNRFIVLNPARGTTVPF TSRKPREDEKDGQAYKFVSRSEMEADIKAGKYLEH  
 GEYEGNLYGTKIDSILEVVQTGRTCILVNPQALKVLR TSEFMPYVVFIAAPELETLRAMHKAVVDAGIT  
 TKLLTDSDLKKTVDESARIQRAYNHFDLII VNDNLDKAFELQTAIEKLRMEPQWVPISWVY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2581\\_a08.zip](https://cdn.origene.com/chromatograms/ja2581_a08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001164734

**ORF Size:** 1659 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

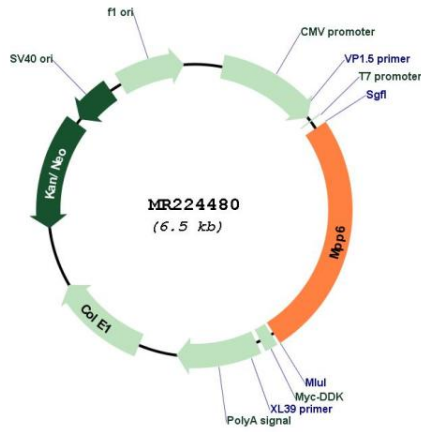
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_001164734.1](#), [NP\\_001158206.1](#)

RefSeq Size: 2222 bp  
 RefSeq ORF: 1662 bp  
 Locus ID: 56524  
 UniProt ID: [Q9JLB0](#)  
 Cytogenetics: 6 24.13 cM  
 MW: 63.1 kDa

**Product images:**



Circular map for MR224480