

Product datasheet for **MR224477**

Mpp6 (NM_001164733) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp6 (NM_001164733) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR224477 representing NM_001164733
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCAAGTTTTGAAAACCTTACAGAGCTGCCTCATCTACAGGAGCAGAGGAGATAGACCTAATTT
 TCCTCAAGGGGATTATGGAGAATCCTATTGTGAAGTCACTTGCTAAGGCTCATGAGAGACTGAAGATTC
 AAAGTTAGAAGCTGTGAGTGACAATAAAGTTGGAATTAGTGAATGAAATCTTGAAGATATCACTCCTCTG
 ATTAGTGTGGATGAAAATGTGGCAGAGCTAGTTGGGATACTCAAGGAGCCTCACTTCCAGTCGCTCCTGG
 AGGCCCATGATATTGTGGCATCAAAGTGTATGATTCGCCTCCTCCAGCCAGAAAATGAATATTCCTTC
 TCTCAATAATCAATTGCCAGTAGATGCCATCCGTATTCTCGGTATTCACAAAAAGCTGGAGAGCCATTG
 GGTGTAACATTTAGAGTTGAAAATAATGATCTGGTAATCGCCGAATCCTTCATGGAGGAATGATAGATC
 GACAAGGTCTGCTTACGTGGGAGATATCATTAAAGGAAGTCAATGGTCATGAGGTTGAAAACAATCCAAA
 GGAATTACAAGAATTATTGAAAAATATTAGTGGAAAGTGCACCCTAAAAATTTTACCAAGTTACAGAGAT
 ACTATTACTCCTCAGCAGAGTACGTCAATATGGAGAGGCACCCAGCCACGTCCGTGAGGATTTGTCA
 AGTGTCAATTTGATTATAATCCATTCAATGATAACCTGATACCCTGCAAAGAAGCAGGACTAAAAATTTTC
 CAAAGGAGAAATCTTCAGATTGTAACAGAGAAGACCCAAATTTGGTGGCAGGCTAGCCATGTGAAAGAG
 GGAGGAAGTGCTGGTCTGATTCCAAGCCAGTTCCTGGAAGAGAAGAGAAAAGGCATTTGTTCCGCCGAGACT
 GGGACAATTCAGGACCCTTTTGTGGAACATAAGCAACAAGAAAAAGAAAAGATGATGTACCTCACAAAC
 CAGGAATGCAGAGTTTGTGTCATGAAATTCAGATCTATGAGGAAGTAGCAAAAATGCCACCCTTCCAA
 CGGAAAACGTTAGTTTTGATCGGAGCTCAAGGTGTGGCAGAAGGAGCTGAAAAACAGGTTCATAGTAC
 TGAATCTGTAGATTTGGAACAACGGTGCATTTACTTCACGGAAGCCAAGAGAAGCAAAAAGGATGG
 ACAAGCATATAAATTTGTGTCGCCGATCAGAGATGGAAGCAGATATTAAGGCTGGGAAGTATTTGGAGCAT
 GGGGAGTACGAAGGAAACCTGTATGGAACCAAGATCGACTCTATTCTCGAGGTTGTCCAGACTGGGCGGA
 CTTGCATTTTGGACGTCAACCCACAAGCACTGAAAGTGTAAAGGACTTCTGAATTCATGCCTTATGTGGT
 GTTTATTGCTGCTCCAGAGCTAGAGACCTTGCCTGCCATGCACAAGGCTGTGGTGGATGCGGGAATCACC
 ACCAAGCTTTTGACGGACTCTGACTTGAAGAAAACAGTGGATGAAAGTCCCGAATTCAGAGAGCATACA
 ACCACTACTTTGATTTGATCATCGTAAATGACAATCTAGACAAAGCCTTTGAGAACTACAACTGCCAT
 TGAGAAACTGAGGATGGAGCCACAGTGGTCCCAATTAGCTGGGTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224477 representing NM_001164733
 Red=Cloning site Green=Tags(s)

MQQVLENLTELPSSTGAEEIDLIFLKGIMENPIVKS LAKAHERLEDSKLEAVSDNNLELVNEILEDITPL
 ISVDENVAELVGILKEPHFQSLLEAHDIVASKCYDSPSSPEMNIPSLNNQLPVDAIRILGIHKKAGEPL
 GVTFRVENNDLVIARILHGGMIDRQGLLHVGDIIKEVNGHEVGNNPKELQELLKNI SGSVTLKILPSYRD
 TITPQQSYVNMRHPAHVRQVFVKCHFDPYFNDNLIPCKEAGLKF SKGEILQIVNREDPNWQASHVKE
 GGSAGLIPSQFLEEKRKAFVRRDWDNSGPF CGTISNKKKKMMYL TTRNAEFD RHEIQIYEEVAKMPPFQ
 RKTLVLIGAQGVGRRSLKNRFIVLNPARGTTVPFTSRKPREDEKDGQAYKFVSRSEMEADIKAGKYLEH
 GEYEGNLYGTKIDSILEVVQTGRTCILVNPQALKVLR TSEFMPYVVFIAAPELETLRAMHKAVVDAGIT
 TKLLTDSDLKKTVDESARIQRAYNHYFDLII VNDNLDKAFEKLQTAIEKLRMEPQWVPISWVY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9059_b07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_001164733

ORF Size: 1659 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_001164733.1](#), [NP_001158205.1](#)
RefSeq Size: 2212 bp

RefSeq ORF: 1662 bp

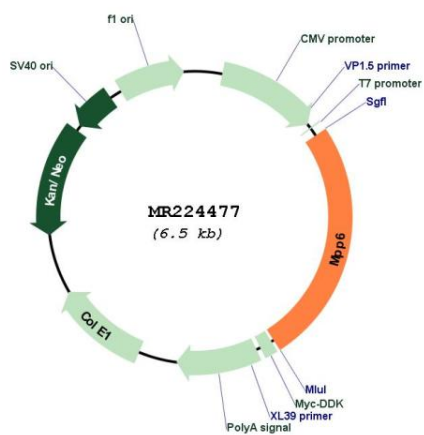
Locus ID: 56524

UniProt ID: [Q9JLBO](#)

Cytogenetics: 6 24.13 cM

MW: 62.6 kDa

Product images:



Circular map for MR224477