

Product datasheet for **MR224476**

Mpp6 (NM_019939) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp6 (NM_019939) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mpp6
Synonyms:	P55t; Pals2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR224476 representing NM_019939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCAAGTTTTGAAAAACCTTACAGAGCTGCCTCATCTACAGGAGCAGAGGAGATAGACCTAATTT
 TCCTCAAGGGGATTATGGAGAATCCTATTGTGAAGTCACTTGCTAAGGCTCATGAGAGACTTGAAGATTC
 AAAGTTAGAAGCTGTGAGTGACAATAAAGTTGGAATTAGTGAATGAAATCCTTGAAGATATCACTCCTCTG
 ATTAGTGTGGATGAAAATGTGGCAGAGCTAGTTGGGATACTCAAGGAGCCTCACTTCCAGTCGCTCCTGG
 AGGCCCATGATATTGTGGCATCAAAGTGTATGATTCGCCTCCTCCAGCCAGAAATGAATATTCCTTC
 TCTCAATAATCAATTGCCAGTAGATGCCATCCGTATTCTCGGTATTCACAAAAAGCTGGAGAGCCATTG
 GGTGTAACATTTAGAGTTGAAAAAATGATCTGGTAATCGCCGAATCCTTCATGGAGGAATGATAGATC
 GACAAGGTCTGCTTACGTGGGAGATATCATTAAAGGAAGTCAATGGTCATGAGGTTGAAAACAATCCAAA
 GGAATTACAAGAATTATTGAAAAATATTAGTGGAAAGTGCACCCTAAAAATTTTACCAAGTTACAGAGAT
 ACTATTACTCCTCAGCAGGTATTTGTCAAGTGTCAATTTGATTATAATCCATTCAATGATAACCTGATAC
 CCTGCAAGAAGCAGGACTAAAAATTTCCAAAGGAGAAATTTCTCAGATTGTAACAGAGAAAGACCCAAA
 TTGGTGGCAGGCTAGCCATGTGAAAGAGGGAGGAAGTGTGGTCTGATTCCAAGCCAGTTCTGGAAGAG
 AAGAGAAAAGGCATTTGTTTCGCCGAGACTGGGACAATTCAGGACCCTTTGTGGAATAAAGCAACAAGA
 AAAAGAAAAGATGATGTACCTCACACCAGGAATGCAGAGTTTGTGATCGTCATGAAATTCAGATCTATGA
 GGAAGTAGCAAAAATGCCACCCTTCCAACGGAAAACGTTAGTTTTGATCGGAGCTCAAGGTGTGGCAGA
 AGGAGCTTGA AAAACAGGTT CATAGTACTGAATCCTGCTAGATTTGGAACAACGGTGCCATTTACTTCAC
 GGAAGCCAAGAGAAGACGAAAAGGATGGACAAGCATATAAATTTGTGTCCCGATCAGAGATGGAAGCAGA
 TATTAAGGCTGGGAAGTATTTGGAGCATGGGGAGTACGAAGGAAACCTGTATGGAACCAAGATCGACTCT
 ATTCTCGAGGTTGTCCAGACTGGGCGGACTTGCATTTTGGACGTCAACCCACAAGCACTGAAAGTGTAA
 GGACTTCTGAATTCATGCCTTATGTGGTGTATTGCTGCTCCAGAGCTAGAGACCTTGCCTGCCATGCA
 CAAGGCTGTGGTGGATGCGGGAATCACCACCAAGCTTTTACGGACTCTGACTTGAAGAAAACAGTGGAT
 GAAAGTGGCCGAATTCAGAGAGCATACAACCACTACTTTGATTTGATCATCGTAAATGACAACTAGACA
 AAGCCTTTGAGAACTACAACTGCCATTGAGAACTGAGGATGGAGCCACAGTGGTCCCAATTAGCTG
 GGTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224476 representing NM_019939
 Red=Cloning site Green=Tags(s)

MQQVLENLTELPSSTGAEIDLIFLKGIMENPIVKSLAKAHERLEDSKLEAVSDNNLELVNEILEDITPL
 ISVDENVAELVGILKEPHFQSLLEAHDIVASKCYDSSPSPPEMNIPLNNQLPVDAIRILGIHKKAGEPL
 GVTFRVENNDLVIARILHGMIDRQGLLHVGDIIKEVNGHEVGNPKELQELLKNI SGSVTLKILPSYRD
 TITPQQVFVKCHFYNPFNDLIPCKEAGLKFSKGEILQIVNREDPNWWQASHVKEGGSAGLIPSQFLEE
 KRKAFFVRRDWDNSGPF CGTISNKKKKMMYL TTRNAEFD RHEIQIYEEVAKMPPFQRKTLVLIGAQGVGR
 RSLKNRFIVLNPARGTTPFTSRKPREDEKDGQAYKFVSRSEMEADIKAGKYLEHGEYEGNLYGTKIDS
 ILEVVTGRTCILDVNPQALKVLR TSEFMPYVVFIAAPELET LRAMHKAVVDAGITTKLLTDSDLKKTVD
 ESARIQRAYNHFDLIIVNDNLDAFEKLQTAIEKLRMEPQWVPISWVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_019939
ORF Size:	1617 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:	<ol style="list-style-type: none">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_019939.2 , NP_064323.2
RefSeq Size:	2180 bp
RefSeq ORF:	1620 bp
Locus ID:	56524
UniProt ID:	Q9JLB0
Cytogenetics:	6 24.13 cM
MW:	61.4 kDa