

## Product datasheet for **MG224477**

### **Mpp6 (NM\_001164733) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mpp6 (NM_001164733) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mpp6
Synonyms:	P55t; Pals2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG224477 representing NM\_001164733  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGCAAGTTTGGAAAACCTTACAGAGCTGCCTCATCTACAGGAGCAGAGGAGATAGACCTAATTT  
 TCCTCAAGGGGATTATGGAGAATCCTATTGTGAAGTCACTTGCTAAGGCTCATGAGAGACTTGAAGATTC  
 AAAGTTAGAAGCTGTGAGTGACAATAAAGTTGGAATTAGTGAATGAAATCCTTGAAGATATCACTCCTCTG  
 ATTAGTGTGGATGAAAATGTGGCAGAGCTAGTTGGGATACTCAAGGAGCCTCACTTCCAGTCGCTCCTGG  
 AGGCCCATGATATTGTGGCATCAAAGTGTATGATTCGCCTCCTCCAGCCAGAAAATGAATATTCCTTC  
 TCTCAATAATCAATTGCCAGTAGATGCCATCCGTATTCTCGGTATTCACAAAAAGCTGGAGAGCCATTG  
 GGTGTAACATTTAGAGTTGAAAATAATGATCTGGTAATCGCCGAATCCTTCATGGAGGAATGATAGATC  
 GACAAGGTCTGCTTACGTGGGAGATATCATTAAAGGAAGTCAATGGTTCATGAGGTTGAAAACAATCCAAA  
 GGAATTACAAGAATTATTGAAAAATATTAGTGGAAAGTGCACCCTAAAAATTTTACCAAGTTACAGAGAT  
 ACTATTACTCCTCAGCAGAGTACGTCAATATGGAGAGGCACCCAGCCACGTCCGTGAGGATTTGTCA  
 AGTGTCAATTTGATTATAATCCATTCAATGATAACCTGATACCCTGCAAAGAAGCAGGACTAAAAATTTTC  
 CAAAGGAGAAAATCTTCAGATTGTAACAGAGAAGACCCAAAATTTGGTGGCAGGCTAGCCATGTGAAAGAG  
 GGAGGAAGTGTGGTCTGATTCCAAGCCAGTTCCTGGAAGAGAAGAGAAAAGGCATTTGTTCCGCCGAGACT  
 GGGACAATTCAGGACCCTTTTGTGGAACATAAGCAACAAGAAAAAGAAAAGATGATGTACCTCACAAAC  
 CAGGAATGCAGAGTTTGCATGAAATTCAGATCTATGAGGAAGTAGCAAAAATGCCACCCTTCCAA  
 CGGAAAACGTTAGTTTGTGCGAGCTCAAGGTGTGGCAGAAGGAGCTGAAAAACAGGTTTCATAGTAC  
 TGAATCTGCTAGATTTGGAACAACGGTGCATTTACTTCACGGAAGCCAAAGAGAAGACGAAAAGGATGG  
 ACAAGCATATAAATTTGTGTCGCCGATCAGAGATGGAAGCAGATATTAAGGCTGGGAAGTATTTGGAGCAT  
 GGGGAGTACGAAGGAAACCTGTATGGAACCAAGATCGACTCTATTCTCGAGGTTGTCCAGACTGGGCGGA  
 CTTGCATTTTGGACGTCAACCCACAAGCACTGAAAGTGTAAAGGACTTCTGAATTCATGCCTTATGTGGT  
 GTTTATTGCTGCTCCAGAGCTAGAGACCTTGCCTGCCATGCACAAGGCTGTGGTGGATGCGGGAATCACC  
 ACCAAGCTTTTGGCGACTCTGACTTGAAGAAAACAGTGGATGAAAGTGCCCGAATTCAGAGAGCATACA  
 ACCACTACTTTGATTTGATCATCGTAAATGACAATCTAGACAAAGCCTTTGAGAACTACAAACTGCCAT  
 TGAGAAACTGAGGATGGAGCCACAGTGGTCCCAATTAGCTGGGTGTAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG224477 representing NM\_001164733  
 Red=Cloning site Green=Tags(s)

MQQVLENLTELPSSTGAEEDLIFLKGIMENPIVKSLAKAHERLEDSKLEAVSDNNLELVNEILEDITPL  
 ISVDENVAELVGILKEPHFQSLLEAHDIVASKCYDSPSPPEMNIPLNQLPVDAIRILGIHKKAGEPL  
 GVTFRVENNDLVIARILHGGMIDRQGLLHVGDIIKEVNGHEVGNPKELQELLKNI SGSVTLKILPSYRD  
 TITPQQSYVNMERHPAHVRQVFVKCHFDPNFDNLIPCKEAGLKFSGEILQIVNREDPNWQASHVKE  
 GGSAGLIPSQFLEEKRAKAFVRRDWDNSGPFPGTISNKKKKMMYL TTRNAEFDRHEIQIYEEVAKMPFFQ  
 RKTLVLI GAQGVGRRSLKNRFIVLNPARFGTTVPFTRKPREDEKDGQAYKFVSRSEMEADIKAGKYLEH  
 GEYEGNLYGTKIDSILEVVQTGRTCILDVNPQALKVLR TSEFMPYVVFIAAPELET LRAMHKAVVDAGIT  
 TKLLTDSDLKKTVD SARIQRAYNHFDLIIVNDNL DKA FEKLQTAIEKLRMEPQWVPISWVY

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

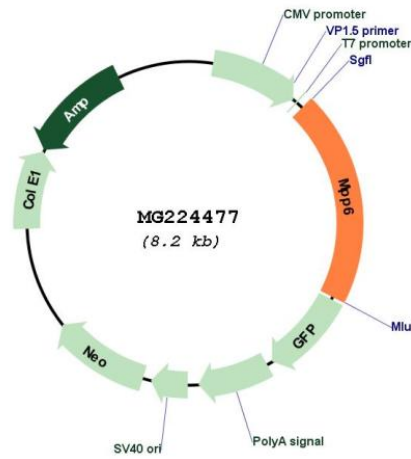
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_001164733
<b>ORF Size:</b>	1659 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164733.1</a> , <a href="#">NP_001158205.1</a>
<b>RefSeq Size:</b>	2212 bp
<b>RefSeq ORF:</b>	1662 bp
<b>Locus ID:</b>	56524
<b>UniProt ID:</b>	<a href="#">Q9JLB0</a>
<b>Cytogenetics:</b>	6 24.13 cM