

## Product datasheet for **MG214779**

### Pramef6 (NM\_001085414) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pramef6 (NM_001085414) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pramef6
Synonyms:	Gm13099; OTTMUSG00000010429
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG214779 representing NM\_001085414  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTTCAAGGACCCACCAACTCCAGCAGCTGGCAAGAAGAAGCCTGCTGAAAGATGAAGCCTTGA  
 CCATCTCTGCTCTGCCGAACCTGCCTGTGCAACTCTCCACCCTCTTCAAGGATGCATTCACCAGCAG  
 ACATCCTAACATACTAAGGCAGATGGTGGCAGCATGGCCTTTCCCAACCCTTCTGTGGGAGCCCTGATG  
 GAGATTCTGACCTGGAGACCCTTAAAGCTGTGCTTGATGGCCTTGATTTGCTAATGTCACAAAAGGATC  
 GACCTAGCAGGTGGAACCTACAAGTCTTGATTTACGAGATGCCACCAGGACTTCTGGGATGGTTGGGC  
 TGGATTACTTCATGAAGTCTGCTCTCAAGATGTCTTTGGCAAGAACCAACCAGTGGGAAATCATCCCATC  
 CTAGGGGAGAAAACAGACCGTGACTATAAAAATGAATCTTCCCTCATGTCCCGCCGTCCCTCCAAATACC  
 TAAAATATTTGTATCGGTGGGCCAAGGAGAGAAAAATGGGATACAGGTGATCTGTGAGAAGCTGGAGTT  
 TGGGGCCATTCTGCCTATGACCCACTGAATATTTGAAGTTTTTGTGATGCAGCCTCAATCCAGGAATTG  
 GCGATAAACACACGCTGGGATATATATACCCTTGATCACTAGCCCTGGCGTGGGCCGGATGAAAAACC  
 TCCAGAACTCCTTTTCAAGGAAATCTGCATACCTTGGGATAGGCCTTGGGACGTAGAGAAGGAAGCCCT  
 TATTCTTACAGAGATCTTTCCAGTTCTCCAACTGCATAAACTCCAGCATCTCTATTTGAATGATGTC  
 TACTTTCTGACTGAACGCTGGACCAATGCTCAGGTGCTTTGAGAGTCCATTAGAGACCCTTGCTATTA  
 CTCACTGCACACTGTGAGAATCAGATATGAGGTATCTGTCCCAGTGTCCAAGCACCACCAGCTCAAACA  
 CCTGGACCTCAGTGGTGTACCTTCATTTAAGCCATCCATTCTAGGAAGCCTGCTAGAAAAGACTGACA  
 GCTACTCTGCAGACATTTAAAATTGAAAGGCTGTATGCTCATGGACTGGCAATCAGTGACCTCCTGCCTG  
 TGCTGAGCCAGTGTCCAGCTCACTGAAGTCGATTTTGTGAAGAAGTCTTGTCCATGGACAGCTGAA  
 GAAGCTGCTGCAGCATACTGCCAACCTCACAAAGCTGACCCTGGAGAAAGTACCCTGCCCTAATGAAGTC  
 TATGATGACAGTATGGTGTATTCCAGACAGATTTGTGCAACTTTGTTCTGAGCTTATGGACACTCA  
 AGGGTGTAAAGCAGCAAAGCAGGTCTACTTTGTAGGCCCTTCCCTGCCAGCTCATTCTTGATCTTTCA  
 GACTGTA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG214779 representing NM\_001085414  
 Red=Cloning site Green=Tags(s)

MSFKDPPTLQQLARRSLKDEAL TISALPNLPVQLFPPLFKDAFTSRHPNILRQMVAAWPFPTLPVGALM  
 EIPDLETLKAVLDGLDLLMSQKDRPSRWNLQVLDLRDAHQDFWDGWAGLLHEVCSQDVFGNQPVGNHPI  
 LGEKQVTIKMNL SLMSRRPSKYLKYL YRWAKERKNGIQVICEKLEFGAIPAYDPLNILKVFDAASIQEL  
 AINTRWDIYTLASLAPGVGRMKNLQKLLFKEICIPWDRPWDVEKEALILTEIFSQFSKHLHLQHL YLNDV  
 YFLTERLDQMLRCFESPLETLAITHCTLSESDMRYLSQCPSTHQLKHLDL SGVTFILSHPFLGSLLERLT  
 ATLQTLKLGCMMLDWQISDLLPVLSQCSQLTEVDFVKNFLSMDSLKLLQHTANLTKLTLEKYPAPNEV  
 YDDSDGVIPDRFVQLCSELMDTLKGVRQPKQVYFVGSPASSFLIFQTV

**TRTRPLE** - GFP Tag - V

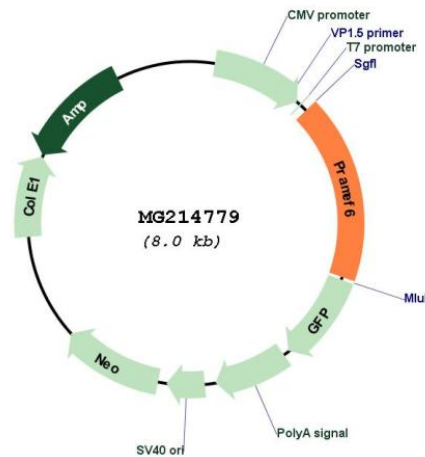
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001085414

**ORF Size:** 1407 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\\_001085414.2](#), [NP\\_001078883.2](#)

**RefSeq Size:** 1487 bp

**RefSeq ORF:** 1410 bp

**Locus ID:** 195555

**Cytogenetics:** 4 E1