

## Product datasheet for **MG212330**

### **Pramef20 (NM\_001115077) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pramef20 (NM_001115077) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pramef20
Synonyms:	EG627009; Gm13125; OTTMUSG00000010547
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG212330 representing NM\_001115077  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCAGCAAGCCCTTACTCACACTCCAAGAGCTGGCAGCCAGAACATTCTGAGGAATGAGGCTTTGG  
 CCATCAGCGCTTTGCAGTACTTACTGAACTATTCTTACCACAACGTGTAAGCAAGCCTACGATGGTAA  
 CCATCTTAAGGTCTGAGGGCAATAGTATCTTCCCTGGCCTTTCCCTCGCCTTCTCTTGGAGCTCTGAAG  
 AAGAGAACACCCTACTTGGAGACTCAATTACAAGTTGTCTTAGAGGAGGTTGATAAGCTGCTTATCCAGG  
 AGGTTACCCCAGGGAGTACAACTAGAAGTGCTGGATTACGGTCTGTGGGACAAAACATTTTGAATGT  
 GTGGCCTGGGGCCATGGATGACTGGTTACCAAGACCCTCAAACAGATCCTTGTCTTAAAGACAGTA  
 ATGACACAGCCCTTGAAGTACTAGTGGACTTGCAGCTCAACAATAGAGGCCAGAGTAGGCTGTTCTCT  
 ACCTCGTTCAGTGGAGTGATAGGAGGAAAGGGTGTACAGCTGTACTGTAAAGCTTCAGATCTGGTC  
 ACCATCCCAAAAACACTACAGGAAGCTCTCACAAAAGGTGAACCTGGACTATGTGAAACACTGGGCCTG  
 CATTCTCCTGCACTCCATCCTTCTTGCTTAACCTTGTCTTACTTGCGCCAAATGAGGAACTTGCCTA  
 AACTTGCTCTCTCCAACATCCGTGAAGAACACATTATCTCTCCGAGAAGAGGAGGTGTATCATACCAG  
 GTTCACCTTGAGATCCTTAAGCTGGAGAGCCTCCAGAAGCTGCATCTAGATGCTGTCTGCTTCTTGGAG  
 GGACACCTAGACCAGCTGCTTGGGTCCGTGAAGACCTCCTTGGATGAAGTGGCAGTGACTCACTGTAAATC  
 TCTCAGTATCAGAATGGAGCCATTTTCTGAGTCCCATGTGTCACTCAGTTGCAACAACGAATTTGGA  
 AAATGTCAGATTGACTGGTTTAAAGTCTGAACCTCTCCAAGTTCTGTTAGTAAAAGCTGGACCCACCCTG  
 GTGGCCTTGGACTTGGAGACTGTCACCTTGAAGTGGCAGCTCTATGCCATCTACCTGCCCTGAGCA  
 AGTGTCTCAAGCTCACCAAGTTCAAGTTTCTATGGGAACCAAATCTCTATGCTTGGCATGAAGGACACT  
 ACACCACACTGCCAGCTTGATACATCTAAGGCTGGAGCTATACCCTGTTCTCCTCAGGACAGTTATGACTAC  
 CATGGTACTCCCCTCATGCAAAGGATGCAACAACATTGTGATGAGCTTATGAATCTACTGAAAACATTTA  
 GGAATCCAGGCAGAGTCTTCTCGGTAAGTACTGACCGCTGTGATCAGTGTGCAATAGATATATCTATAACA  
 AACATTATGTGAATTGTCGGAGATCTTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG212330 representing NM\_001115077  
 Red=Cloning site Green=Tags(s)

MSSKPLLTLQELAAQNILRNEALAI SALQYLPFLPQLLKQAYDGNHLKVLRAIVSSWPFPRPLGALK  
 KRTPYLETLQVVL EEVDKLLIQEVHPREYKLEVL DLRSVGNLNVWPGAMDDWLPKTTQDPCCSKT  
 MTQPLKVLVDLQLNNRGQSRLFSYL VQWSDRRKGLLQL YCNKQLIWSPSQQNYRKL SQKVNLDYVETLGL  
 HSSCSPSFLNFAPYLRQMRNLRK LALSNIREEHII SPEKRRCIITRFTLQILKLES LQKLHLDAVCFLE  
 GHLDQLLGSVKTSLDELAVTHCNLSVSEWSHFSEFPCVSQLQQLNLENVRLTGLSPEPLQVLLVKAGPTL  
 VALDLEDCHLEDGQLYAILPALSKCFKLT KFSFYGNQISMLAMKDLLHHTASLIHLRLELYPVPQDSYDY  
 HGTPLMQRMQHCDELMNLLKTRNPGRVFFGTDRCDCCNRYIYNKTIMCNCRRSY

**TRTRPLE** - GFP Tag - V

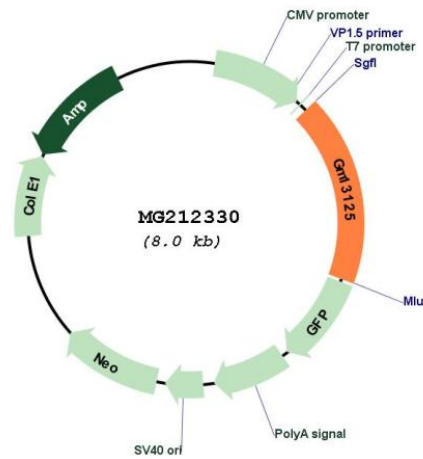
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001115077

**ORF Size:** 1431 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\\_001115077.1](#), [NP\\_001108549.1](#)

**RefSeq Size:** 1434 bp

**RefSeq ORF:** 1434 bp

**Locus ID:** 627009

**Cytogenetics:** 4