

## Product datasheet for **MG206555**

### Apmmap (NM\_027977) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Apmmap (NM_027977) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Apmmap
Synonyms:	2310001A20Rik; AI314817
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206555 representing NM_027977 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGAAGCGGACGGGCTGCGGCAGCGTCGGCCCTGCGGCCGAGGTCGTCACGGACGATGGCCAGG  
TCCCGGAGGTCAAGGAGGGCAGTTCCTTTAGTGGCAGAGTCTTCAGAATGACCTTCTTGATGCTGGCTGT  
GTCCCTTGCCATCCCCTACTTGGAGCCATGATGCTGTTGGAGTCCCCATAGATCCTCAGAGTTTCAGC  
TTCAAAGAACCCCTTTCATGTTTGGTGTCTGCATCCAATACGAAGTTGCGGCAAGCAGAAAGGCTAT  
TTGAAAACCAACTTAGTGGACCAGAATCCATAGTAAATATTGGGGATGTGCTGTTTACTGGTACAGCAGA  
TGGCCGAGTTGTAAAACCTGAAAATGGAGAAATAGAGACCATCGCTCGGTTCCGGTTCAGGCCCTTGCAAA  
ACCCGAGATGATGAACCTACCTGTGGGAGACCCCTGGGCATCCGGGCAGGGCCCAATGGGACTCTTTTTG  
TGGTTGATGCGTACAAGGGACTGTTTCAAGTAAATCCTCAGAAACGTTTCACTGAAACTGCTGCTATCCTC  
TGAGACGCCCATTTGAGGGCAAGAAGATGTCCTTTGTGAATGACCTCACTGTTACTCGGGATGGAAGGAAG  
ATTTATTTACGGATTCACGAGCAAGTGGCAGAGACGAGACTACCTGCTTCTGGTATGGAGGCCACTG  
ATGATGGGCGCCTGTTAGAGTATGATACTGTGACGAAAGAAGTGAAGTTTTGTTGGACCACTTGCAGTT  
CCCTAATGGAGTTCAGCTCTCCTGAGGAAGACTTTGTCCTAGTGGCAGAGACAACATATGGCCAGGATA  
CGAAGAGTCTATGTGCTGCGCTGATGAAAGGAGGGGCAGATATGTTTGTGGAGAACATGCCTGGATTTTC  
CTGACAATATCCGGCCTAGCAGCTCTGGCGGATACTGGGTTGCTGCTGCAACCATTTCGTGCTAACCCCTGG  
GTTTTCCATGTTGGATTTCTTATCTGACAAGCCTTTTTATTAAGAGAATGATTTTTAAGATGTTTCAGTCAG  
GAGACAGTGAAGTTTGTGCCACGATATAGCCTGGTCCTAGAAGTCAGTGACAGTGGTGCCTCCGGGA  
GAAGCCTGCATGATCCTGATGGACAGGTGGTTACCTATGTGAGTGAGGCGCATGAACATGATGGATACCT  
GTACCTGGGCTCCTTCAGATCTCCCTTCATCTGCAGACTCAGTCTCCAGTCTATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206555 representing NM\_027977  
 Red=Cloning site Green=Tags(s)

MSEADGLRQRPLRPQVVTDGQVPEVKEGSSFSGRVFRMTFLMLAVSLAIPLLGAMMLLESPIDPQSF  
 FKEPPFMFVGLHPNPKLRQAERLFENQLSGPESIVNIGDVLFTGTADGRVVKLENGEIETIARFGSGPCK  
 TRDDEPTCGRPLGIRAGPNTLFFVVDAYKGLFEVNPQKRSVKLLLSSETPIEGKKMSFVNDLTVTRDGRK  
 IYFTDSSSKWQRDYLLLVMEATDDGRLLLEYDVTVEVKVLLDQLQFPNGVQLSPEEDFVLVAETTMARI  
 RRVYVSGLMKGGADMVFNMPGFPDNIRPSSSGYVWAAATIRANPGFSMLDFLSDKPFIKRMIFKMF SQ  
 ETVMKFVPRYSLVLEVS DSGAFRRSLHDPDGQVVTVYVSEAEHDGYLYLGSFRSPFICRLSLQSI

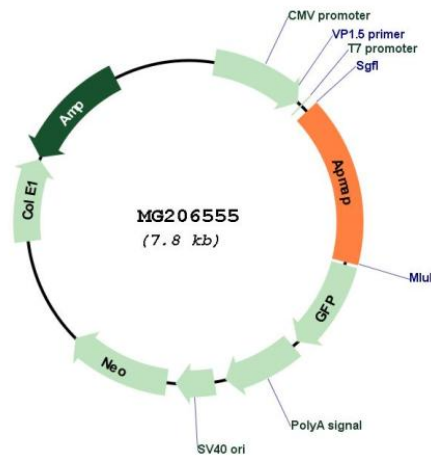
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_027977

<b>ORF Size:</b>	1245 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_027977.1</a> , <a href="#">NP_082253.1</a>
<b>RefSeq Size:</b>	2191 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	71881
<b>UniProt ID:</b>	<a href="#">Q9D7N9</a>
<b>Cytogenetics:</b>	2 G3
<b>Gene Summary:</b>	Exhibits strong arylesterase activity with beta-naphthyl acetate and phenyl acetate (By similarity). May play a role in adipocyte differentiation.[UniProtKB/Swiss-Prot Function]