

## Product datasheet for **MG205694**

### Gdap111 (NM\_144891) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gdap111 (NM_144891) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gdap111
Synonyms:	Gdap11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205694 representing NM_144891 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACCCCAACAACCTGACCCCAACCACTGCAGCTGGTGGCCATCTCGGCACTGGAGAGCGATG  
CAGCCAAGCCGGTGGAGACCCCGACGCGCCGAGGCATCCAGCCCGCCATTGGCCCAAGGAGAGCCT  
GGTTCTGTACCACTGGACCCAGTCTTCAGCTCGCAGAAGGTGCGGCTGGTATCGCTGAGAAGGGCCTG  
GCCTGTGAAGAGAGAGATGTGAGCCTGCCTCAGAGCGAGCATAAGGAACCGTGGTTCATGCGGCTCAACC  
TGGGTGAGGAGGTCCAGTCATTATCCACAGAGACAACATTATCAGTGACTATGACCAGATCATTGACTA  
CGTGGAACGCACCTTCACGGGAGAGCATGTGGTGGCCTTGATGCCCGAGGCGGGCAGCCCAACACGCC  
CGAGTGCTGCAGTACCGGGAGCTGCTGGATGCGCTGCCATGGACGCCTACACACACGGGCTGCATCCTGC  
ACCCTGAGCTCACCACAGATTCCATGATCCCAAGTATGCCACGGCTGAGATCCGCAGACATTTAGCCAA  
CGCCACCACAGACCTCATGAAACTGGACCACGAGGAGGAACCACAGCTCTCTGAGCCCTACCTTTCTAAA  
CAAAGAAGCTTATGGCCAAGATCCTGGAGCAGATGACGTGAGCTACCTGAAGAAGATCCTCGGGGAGC  
TGGCTATGGTGTGACCAGATTGAGGCGGAGCTGGAGAAGAGGAAACTGGAGAATGAGGGGCAGACGTG  
CGAGCTGTGGCTCTGTGGCTGTGCCTTCACCCTGGCGGATGTCTCTCTGGGAGCCACCCTGCACCCGCTC  
AAGTTCCTGGGACTGTCCAAGAAATACTGGGAAGACGGCAGCCGCCCCAACCTGCAGTCTCTTTGAGA  
GGGTCCAGAGACGCTTTGCCTTCGGAAGTCTGGGCGACATCCACCACTCTGCTGTGAGCTGTTAT  
CCCCAACGCGTTCGACTGGTCAAACGGAACCGCCATCCTTCTTTGGGGCATCCTTCTCATGGGCTCC  
TTGGTGGGATGGGCTACTTTGCCTACTGGTACCTCAAGAAAAATACATC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205694 representing NM\_144891  
 Red=Cloning site Green=Tags(s)

MATPNNLTPTNCSWWPISALESDAAKPVETPDAPASSPAHWPKESLVL YHWTQSFSSQKVLVIAEKGL  
 ACEERDVSLPQSEHKPEWFMRLNLGEEVPVIIHRDNIISDYDQIIDYVERTFTGEHVVALMPEAGSPQHA  
 RVLQYRELLDALPMDAYTHGCILHPELTTDSMIPKYATAEIRRHLANATDLMKLDHEEEPQLSEPYLSK  
 QKKLMAKILEHDDVSYLKKILGELAMVLDQIEAELEKRKLENEGQTCELWLCGCAFTLADVLLGATLHRL  
 KFLGLSKKYWEDGSRPNLQSFFERVQRRFAFRKVLGDIHTLLSAVIPNAFRLVKRKPSSFFGASFLMGS  
 LGMGYFAYWYLKKKYI

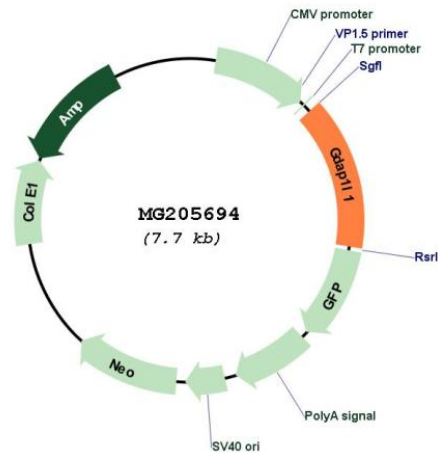
SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_144891

<b>ORF Size:</b>	1101 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_144891.2</a> , <a href="#">NP_659140.2</a>
<b>RefSeq Size:</b>	2580 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	228858
<b>Cytogenetics:</b>	2 H3