

## Product datasheet for **MG206498**

### Atf7 (NM\_146065) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atf7 (NM_146065) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Atf7
Synonyms:	1110012F10Rik; 9430065F09Rik; AI549878; C130020M04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206498 representing NM_146065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGACGACAGACCGTTTGTGTGCAGTGCCCCGGGCTGTGGACAGAGATTTACAAATGAGGACCACC  
TGGCAGTTCATAAACATAAGCATGAGATGACACTGAAATTTGGCCAGCCGAACGGACTCAGTCATCAT  
TGCAGATCAAACGCCTACTCCAAGTATCCTGAAGAACTGTGAGGAAGTGGGGCTCTTCAATGAACCTA  
GCTAGCTCCTTTGAACATGAATTAAGAAAGCTTCTGATGACGATGAGAAAAAGGGTCTGCTGGCCCTC  
TTGACATGTCTCTGCCTTCTACACCAGACATCAAATCAAGGAAGAAGAGCCAGTGAAGTGAAGTATC  
GCCCCCTGACAGTCTGCTTCTAGCCCTGTCCACCACCTGAAGGAGAAGGAAGTACCACAAAACCG  
GTTGTGATCTCTACCCCTACACCTACCATTGTACGTCCTGGCTCCCTGCCTCTCCACTTAGTATGATC  
CACTTCATCCAAGTCTTCTTCCCAACCTCTGTGCATCACACAGGCTCCACCATCCAACAGGCAAAATAGG  
ATCTCCTACTGGCTCCCTCCCTCTGTCATGCATCTTGTAAATGGACAGACCATGCCTATGTTGCCAGGG  
CCTCCAGTACAGATGCCTTCTGTTATTTTCGCTGGCCAGACCTGTGTCCATGGTGCCCAACATTCTGGTA  
TACCTGGCCACCGGTTAACAACAGTGGCTCCATTTCTCCCTCTGGCCACCCTATGCCGTGAGAAGCCAA  
AATGAGACTAAAAGCCACGCTGACCCATCAAGTTTCTTCAATCAATGGAGTTGTGGAATGGTGGTGGT  
ACTGCAAGCACCATGGTACTGCCGTCAGAGCAAAACCAGATCCTCATCCAGCACCCAGATGCCCAT  
CCCTGCCAGCCACAGTCTCTCCAGCTCAGCCACCCCTAGCACTGGGGGACGGCGACGGCGTACAGT  
GGATGAAGATCCAGATGAGCGGGCGCAGCGTTTTTAGAGCGAAACAGAGCTGCAGCCTCTCGATGCCGG  
CAAAAGCGGAAACTGTGGGTGCTCCTCCCTGAAAAAGAAGGCAGAAGAAGTACTTCTCAGAACATTCAGC  
TGAGTAATGAAGTACATTACTACGCAATGAGGTGGCTCAGCTGAAGCAGCTACTGTTAGCTCATAAAGA  
TTGCCAGTCACTGCACTACAGAAAAAGACTCAAGGCTACCTAGGTAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206498 representing NM\_146065  
 Red=Cloning site Green=Tags(s)

MGDDRPFVCSAPGCGQRFNEDHLAVHKHKHEMTLKFPGPARTDSVIIADQTPTRFLKNCEEVGLFNEL  
 ASSFEHEFKKASDDDEKGAAGPLDMSLPSTPDIKIKEEPEVDSSPPDSPAASSPCSPPLKEKEVTTKP  
 VVISTPTPTIVRPGSLPLHLGYDPLHPTLPSPSTSVITQAPPSNRQIGSPTGSLPLVMHLANGQTMPMLPG  
 PPVQMPSVISLARPVSMVNPINIPGIPGPPVNNSGSISPSGHPMPSEAKMRLKATLTHQVSSINGGCGMVVG  
 TASTMVTARPEQNQILIQHPDAPSPAQPQVSPAQPTPSTGGRRRRRVDEDPDERRQRFLERNRAAASRCR  
 QKRKLWSSLEKKAEEELTSQNIQLSNEVTLLRNEVAQLKQLLLAHKDCPV TALQKKTQGYLKG

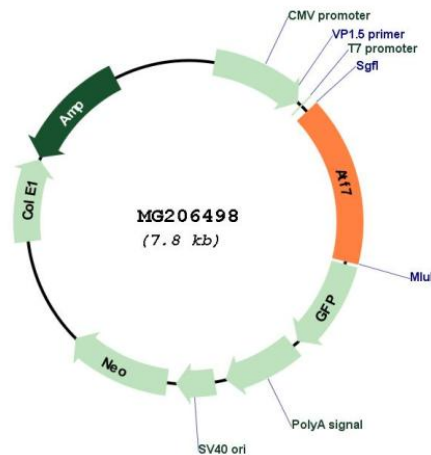
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_146065

<b>ORF Size:</b>	1239 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_146065.1</a> , <a href="#">NP_666177.1</a>
<b>RefSeq Size:</b>	2867 bp
<b>RefSeq ORF:</b>	1242 bp
<b>Locus ID:</b>	223922
<b>Cytogenetics:</b>	15 F3