

## Product datasheet for **MG216606**

### Abo (NM\_030718) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abo (NM_030718) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Abo
Synonyms:	NAGAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216606 representing NM_030718 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATCTCAGAGGAAGACCGAAATGCAACTTCCTTCACCTTGAATCCTTCCCTTCGCAGTGTTGTCT  
TAGTCTTCTTTGGCTACCTGTTCTAAGCTTCAGAAGCCAGAACTGGGTCACCCAGGAGCTGTGACTAG  
GAATGCCTATCTGCAGCCAAGGGTGCTAAAACCCACTAGGAAAGATGTTCTTGTCTTGACTCCTTGGCTG  
GCGCCCATCATCTGGGAGGGGACCTTCAACATCGACATATTGAATGAGCAGTTCAGGATTCGGAATACTA  
CGATTGGACTGACTGTATTTGCTATCAAAAAGTATGTGGTGTTCCTTAAGCTGTTCCCTTGAGACTGCAGA  
ACAACACTTCATGGTGGGACACAAGGTCACTACTATGTCTTCACTGACCGTCCAGCTGATGTGCCACAG  
GTGATCCTGGGTGCAGGACGGCAACTGGTGGTGCTAACTGTGCGCAACTATACTCGATGGCAGGATGTGT  
CCATGCACAGGATGGAGATGATCAGCCACTTCTCAGAGCGACGCTTTCTACGTGAGGTGGATTACCTGGT  
GTGTGCAGATGCGGACATGAAGTTCAGTGACCATGTGGGTGTGGAGATTCTCAACATTCTTTGGCACT  
CTGCACCCTGGCTTCTACAGTAGCAGCCGAGAGGCCTTTACCTATGAGCGCCGGCCACAGTCCCAGGCCT  
ACATCCCCTGGGACAGGGGTGACTTTTACTACGGAGGAGCCTTCTTTGGGGGTGAGTGTAGAAGTGTA  
CCATCTCACCAAGGCCTGCCATGAAGCTATGATGGAGGACAAGGCCAACGGCATTGAGCCTGTGTGGCAT  
GATGAGAGCTATTTGAACAAATACCTGCTTTACCATAAGCCTACAAAGGTGCTGTCCCAGAGTATTTGT  
GGGACCAGCAGCTGCTGGGCTGGCCCTCATGAAGAAGCTGAGATATGTGGCTGTGCCAAGGACCA  
TCAGGCAATCAGAAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216606 representing NM\_030718  
 Red=Cloning site Green=Tags(s)

MNLRGRPKCNFLHLGILPFAVFVLFVFFGYLFLSFRSQNLGHPGAVTRNAYLQPRVLKPTRKDVLLTPWL  
 APIIWEGTFNIDILNEQFRIRNTTIGLTVFAIKKYVFLKLFLETAEQHFVMVGHKVIYYVFTDRPADVPQ  
 VILGAGRQLVVLTVRNYTRWQDVSMHRMEMISHFSERRFLREVDYLVCADADMKFSDHVGVEILSTFFGT  
 LHPGFYSSSREAFYERRPQSQAYIPWDRGDFYGGAFFGGSVLEVYHLTKACHEAMMEDKANGIEPVWH  
 DESYLNKYLLYHKPTKVLSPPEYLWDQQLLGWPSIMKKLRYVAVPKDHQAIRN

TRTRPLE - GFP Tag - V

**Restriction Sites:**

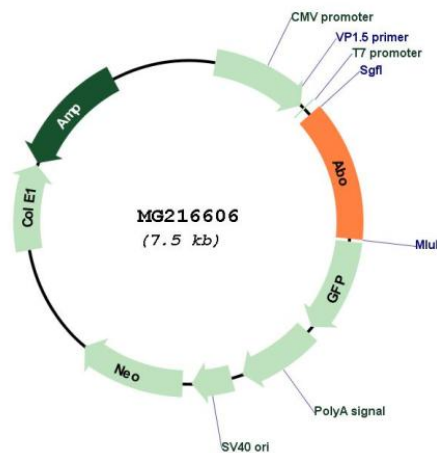
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_030718

**ORF Size:** 996 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_030718.5</a> , <a href="#">NP_109643.3</a>
<b>RefSeq Size:</b>	1779 bp
<b>RefSeq ORF:</b>	999 bp
<b>Locus ID:</b>	80908
<b>UniProt ID:</b>	<a href="#">P38649</a>
<b>Cytogenetics:</b>	2 A3