

## Product datasheet for **MG211435**

### Ahi1 (BC055400) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ahi1 (BC055400) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ahi1
Synonyms:	1700015F03Rik; Ahi-1; D10Bwg0629e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211435 representing BC055400 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCAGAACTCCAGAGAAGGTGGATTCTGCACAAGAGAAAGTCAGAGGCAAGACCCCGACAGCAG  
ATGATTCAGATGACAGCCGAGAAAAGACTGGCATAGAAGAGAAAGGAGAAGTACCGACGCTATCAGCT  
GCAGGTAGCTGAAGAAATGGCAAAGGAGATCAAGAAGAAAATAAGAAAGAAGCTAAAGGAACAGCTGACC  
TACTTTCTCCAGACACTCTATTGCATGACGACAAGCTGGCCAGTGAAAAAGAAAGAAGAAGAAGA  
AAGTGCCAGTGCCCACTAAGCCTGAGTCAAGTCCCTCAGATGTCTGTGACAGTGCAGTTGAAGGGGAACA  
AAAGAAAGAAGGTACCCCTGAGGACTCTCAGCACATGGAGGGAATCTGCTCGAGAGAGCAGGATGTGGAT  
GCCACTGTGCCAGAGAACGCAAAGCCCAAAACCAAGAAGACAAAGAAGAAGACTAAAGCAGTTTCAAATG  
ATAATGAAGACTAATGGAGATGGTGTTCATGAGATAACAAGCCGAGACAGCCAGTTCATCCCAAGTG  
CTTGCTGGATGATGACCTCGTCAATGGGAGTCTACATTCACCGAACCGATAGACTTAAATCTGACTTTATG  
ATTTCTCACCCAATGGTAAAGATCCATGTGGTTGATGAGCACACTGGCCAGTACGTCAAGAAAGATGACA  
GTGAACGTCCTGTTTCATCTTATTATGAGAAAGACAACGTGGACTATATTCTCCCTATTATGACACAGCC  
ATATGACTTTAAAAAGCTAAAGTCAAGGCTTCCGGAGTGGGAGGAGCAAGTTATTTTTAATGAAAATTTT  
CCCTATTTGCTTCGAGAGTTTGAAGAATGTCCAAAAGTCATCCTGTTCTTTGAGATTTGACTTTTTTAA  
GCATGGATGAAATCAAGAATAACTCTGAGGTTCAAACCAAGAGTGTGGCTTTCGGAAAATTGCCTGGGC  
GTTTCTTAAGCTTCTGGGAGCCAATGGGAATGCAAACATCAACTCAAACCTTCGCCTGCAGCTCTACTAC  
CCACCGACTAAGCCTCGATCCCAGCTAAATGTCGTGAGGTTTTTGAATGGTGGTCCAAGTGTCCAAGAA  
ATCGTTATCCATCAACATTGTATGTAACCGTACGAGGATTGAAAGTCCCGACTGTATAAAGCCATCTTA  
CCGCTCTATGATGGCTCTCCAGGAGGAAAGGGTACACCAAGTGTACTGTGAACGTACCGTGAAACAAGT  
TCCGTGGACACAGAACCTGGACTAGAAGATTCAAAGGAGGAAGTGAAGTGGAAACGTCTGCCTGGCCAGG  
CCTGTCGATCCCAAACAAGCATCTTCTCACTGAATGCTGGAGAACCGGCTGTTTCTGTCTTGATTT  
CTCTACAATGGAAGGATATTAGCAGCAGCCTGTGCCAGCCGAGACGGATATCCGATTATATTATATGAA



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ATTCCTTCTGGACGTTTTATGAGAGAATTGTGTGGCCACCTCAATATCATTTATGATCTCGACTGGTCAA  
 AAGACGATCGCTATCTCGTTACTTCATCCTCTGACGGCACTGCCAGAGTTTGAAGAATGAAATCAATAG  
 CACGAGCACGTTACAGAGTCTTACCTCACCCCTCCTTCGTCTACACGGCTAAATCCACCCAGCCACACGG  
 GAGCTGGTGGTTACAGGATGCTACGACTCTATGATAAGGATTTGGAAAATGATGCAAGGGAGGATGCTG  
 CCATATTAGTGCGCCAGTTGGATGTGCACAAGAGCTTTGTCAACTCCATCTGTTTTGACGATGAAGGTCA  
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 GTTACCTGGAGGTTCCATCCCAATGGAAAGCGTTTGCTAATCCACACCAAAGACAGTACTCTGAGGATTAT  
 GGACCTGCGGATATTGGCAGCCAGGAAATTTGTGGGTGCAGCAAATTACCGTGAGAAGATCCATAGCACC  
 TTGACGCCGTGCGGGACTCTGCTCTTTTCTGGGAGTGAGGATGGGATAGTATACGTTTGGAAACCAGAGA  
 CAGGAGAACAAAGTGGCAATGACTCTGACCTGCCATTCAAGTCCACAATCCGAGACATCTTTACCACCC  
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 TGATTTATCAGCATAGAGAGAGGGCCTTTTGTGCGCCATGTTGATCCACCACCAATGGTAGTGGCTCTT  
 TATGACTACACAGCCAGCCGATCAGATGAACTAACCATCCATCGTGGAGACATTACCGAGTGTATTTCA  
 AAGATAATGAAGACTGGTGGTACGGCAGCGTAAGAAAGGGGCAGGAAGGGTTCTTTCCAGCTAATCATGT  
 GGCCAGTGAACACTGTATCGAGACTCCCTCCGAAGGTAAGGAGCGCTCCCTCCTTTAACTCCCAAG  
 GAGAAAACTAAACCAGAAAAGCCTCTGGCTTCTCAAAGGGTGGCCATGAAGAGGAGACGAAGTCACAAA  
 CCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG211435 representing BC055400  
 Red=Cloning site Green=Tags(s)

MEPETPEKVDSAQEKVRGKTPTADSDSREKTGIEEKGELTDAYQLQVAEEMAKEIKKKIRKKLKEQLT  
 YFPPDTLLHDDKLASEKRKKKKKVPVPTKPESSPSDVCDSAVEGEQKKEGTPEDSQHMEGICSREQDVD  
 ATPENAKPKPKTKKKTKAVSNDNEDTNGDGVHEITSRDSVHPKCLLDDDLVMGVYIHRDRLKSDFM  
 ISHPMVKIHVVDEHTGQYVKKDDSERPVSSYEEKDNVDYILPIMTQPYDFKLLKSRLEPEWEEQVIFNENF  
 PYLLREFEECPKVILFFEILDFLSMDEIKNNSEVQNQECGFRKIAWAFLKLLGANGNANINSKLRLQLYY  
 PPTKPRSQLNVVEVFEWWSKCPNRYPSTLYVTVRGLKVPDCIKPSYRSMALQEERGTPVYCERHRETS  
 SVDTEPLEDSKEEVKWKRLPGQACRIPNKHLFSLNAGERGCFCLDFSHNGRILAAACASRDGYPILLYE  
 IPSGRFMRELCGHLNIIYDLWSKDDRYLVTSSSDGTARVWVWNEINSTSTFRVLPHPSPFVYAKFHPATR  
 ELVVTGCYDSMIRIWKIDAREDAAILVRQLDVHKSFVNSICFDDEGHHMYSGDCIGVIVVWDTYVKVNDV  
 QHSVRHWTINKEIKETEFRGVPIISYLEVHPNGKRLLIHTKDSTLRIMDLRILAARKFVGAANYREKIHST  
 LTPCGTLLFSGSEGDIVYVWNPETGEQVAMYSDLPFKSTIRDISYHPLENMVAFCAFQSEPILLIYDF  
 QVAQQAEMLKRYSGTLPLPGIHQSEDALCTCPKLPQQGSFQIDEFVNTENSSSRKIQLVKQRLETVTEV  
 IRSCAAKVNKNLSMTSPPPGPAKKPRVKQSFVLTDEIIHQFGLPQTAFISIERGPFVRHVDPPPMVAL  
 YDYTASRDELTIHRGDIIRVYFKDNEDWWYGSVRKQGEGFFPANHVASETLYRDSPPKVKERSPLTPK  
 EKTKEKPLASQKGGHEEETKSQTN

TRTRPLE – GFP Tag – V

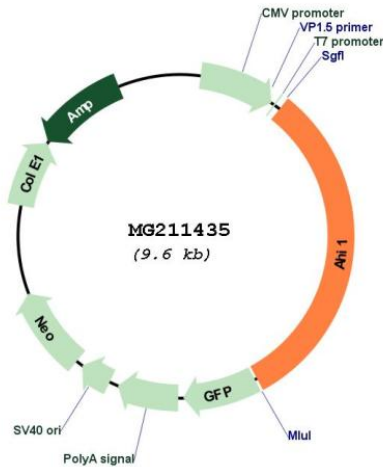
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC055400

**ORF Size:** 3015 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](#)

<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>	<u><a href="#">BC055400.1</a></u>
<b>RefSeq Size:</b>	4843 bp
<b>RefSeq ORF:</b>	3017 bp
<b>Locus ID:</b>	52906
<b>Cytogenetics:</b>	10 9.75 cM