

## Product datasheet for **MG219770**

### **Atxn7l1 (NM\_001033436) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | Atxn7l1 (NM_001033436) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                      |
| Symbol:                   | Atxn7l1                                       |
| Synonyms:                 | 2810423G08Rik; Atxn7l4                        |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-AC-GFP (PS100010)                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                        |



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**ORF Nucleotide Sequence:**

>MG219770 representing NM\_001033436  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGCAGGCCTTCTCCCTCTCCAGCGTCTCCAGCCTCCAATTCCTGGACATCGCTAGCACAGGCAAGA  
 CGAAAGCCTGTCTCAGCGGCCATAGCGCTGTCAGCAGCACCTCAAAGCCATTTAAAACGCCCAAAGACAA  
 TCTCCTTACCTCCAGCAGCACACAGCACACAGTCTTCTCTGCAAAGGGACCAAGGGATAAACCATGCGTT  
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 ACTCTACAACCACTACTGCAGCCACTTCTCTCTCTGCGCTCTCCACTCCGCCTTTAATTAAGCCAC  
 CTTGATGTCCAAGTCACTGCCACCTTACCAGAGAAGATCTTAAATGGCAAGGGGATTCTGTGAGCCACC  
 ATAGACAAGAAGCACCCAAACGGCACAAAACAGCAACAAGCCTTACCGGAGACTTTCAGAGAGAGAA  
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 AGCAGTACTTCTCAAACCACAGCGGCTACACTCCAGAGCCCCCTCTGCTCCAGCTGGAGGCGACCTTG  
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 GTGTTTGAAGAAGGTGGGATCGATTTCCGCTTCCGACTGAACTCCATGGTAGAAAAACACTTGAATTCGC  
 AGATGTGGAAGAAGATCCCTCCTGCGGCAGATAGCCCCATGCCCTCGCCAGCAGCCACATCACCACCC  
 CGTTCAGCATCCGTTTTGCAGCCTTTCAGCAACCCAGTGTGTATCTTCTTCAGCTCCCATCAGC  
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 ACCCACGCGTCTCATGTCCCACACCACAGCTTCCCCCATGTGGCTGCAACCCTCAGCATCATGGACTC  
 AACCTTCAAGGCCCATCCGCGGTGCCCCGATACCAGCTGTCTTCTTCCCCATCCCACAAGCCATCC  
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 GTCAGGGCCCCACAAAAGAAGTGCATTCTGAATGCCAGTCTGCTTTGAACTCCTATCAGGAGCCCT  
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 TGGCCCTGTCCCTCTCCGTGCCCTCCCTTGGACTCCATGCAGGGGACCTCTCTCTGGCCTCACACAAC  
 GCTGTGCTTCTCTGCCCTCTCCTTTGACAAATCAGAAGGAAAAAGCGTAAGAATTCAAGTCTAGTA  
 GCAAAGCCTGTAAGATCACTAAAATGCCTGGTATGAATAGCGTTCACAAAAGAACCACCCAGCCTTCT  
 TGCACCGGTGCCGATCCCGTTAACAGCACCTCCTCTCGGAGGTAAAGGAGCTCCTGGCACTGCCTTCA  
 CTGGCTCTGGGGGCGAGGGGAGCTGGGAGCGCCCTTGTGGCCAGGTGGCTCAGACAGGTAACACAC  
 ACATGGCTCCTTTCCAGGTTCCCGTAGGCTCCGAGAATTCTTGG

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

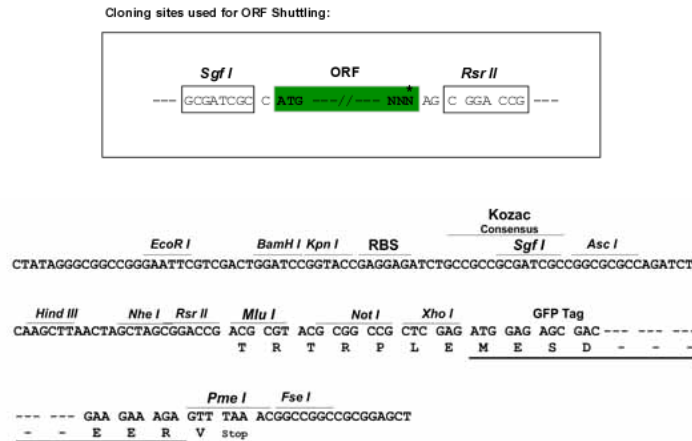
**Protein Sequence:** >MG219770 representing NM\_001033436  
Red=Cloning site Green=Tags(s)

```
MCRPSPSPASPASNRTSLAQAKTKACLSGHSAVSSTSKPFKTPKDNLLTSSSTQHTVFSAKGPRDKPCV
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IDKKHPNGTKNSNKPYYRLSEREFDPNKHCGVLDPETKKPCTRSLTCKTHSLSHRRVAVPGRKKQFDLLLA
EHKAKSREKEVKEHLLTSAREILPNPPGSPDAPQASSGSTVAEPKVASPPKSRPLNSVLRPSSANSIS
SSTSSNHSGYTPPEPLLPAGGDLASRLSSDEGEMDGADESEKLDQCQFSTHHRPLAFCSFGSRLMGRGYY
VFDRRWDRFRFALNSMVEKHLNSQMWKIIPPAADSPMPSPAHHITTPVPASVLQPFNSPASYLPSAPIS
SRLTSSYIMTSAMLSDAAFVASPDPRVLSHTTAFPHVAATLSIMDSTFKAPSAVSPIPAVIPSPSHKPS
KTKTSKSKVKDLARSDESNSNKRKPKQSSTSASSLSLQAPLSSPLSGPHKNCILNASSALNSYQAAP
PYNSLSVHNSNNGVSPLSAKLEPSGRTSLPSGPMDIVRQVGVAVGGSSGPCPLSVPSLALHAGDLSLASHN
AVSSLPLSFDKSEGKRRKNSSPSSKACKITKMPGMNSVHKKNPPSLLAPVPDPVNSTSSRQVRELLALPS
LALGGRGSWAAPLFGQVAQTGNTHMAPFRFPVGSSENSW
```

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_001033436

**ORF Size:** 2217 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001033436.3](#), [NP\\_001028608.3](#)

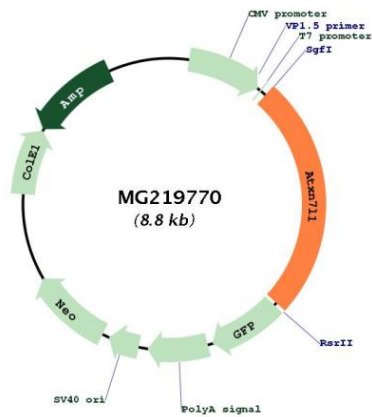
**RefSeq Size:** 2567 bp

**RefSeq ORF:** 2220 bp

**Locus ID:** 380753

**Cytogenetics:** 12 A3

**Product images:**



Circular map for MG219770