

## Product datasheet for MR211755

### Atn1 (NM\_007881) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atn1 (NM_007881) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atn1
Synonyms:	Atr1; atrophin-1; Drpla
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211755 representing NM_007881 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGACACGACAGAATAAAGACTCGATGTCAATGAGGAGTGGACGGAAGAAAGAGGCCCCCGGGCCCC  
GGGAAGAGCTGAGATCAAGGGGCCGGCCCTCCCCTGGAGGGGTGAGCAGATCCAGCAGTGTGGCAAAGC  
TGAGAAGTCCAGGCAGACAGCCAAGAAGGCCCGGATAGAGGAGCCCTCTGCCCAAAGGCCAAGCAG  
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AGGAGCTCCCTCGCCCGAGTCTCCCTCGGATCTGGACAGCTTGGATGGGCGCAGCATTAAACGATGACGG  
CAGCAGCGACCCTAGAGATATAGACCAGGACAACCGAAGCACATCCCCAGCATCTACAGCCCGGGCAGC  
GTGGAAAATGACTCGGACTCATCTCTGGCCTGTCCCAGGGCCCCGCCGCCCTACCACCCACCTCCAC  
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TTCTGTGCCGCTACTGGATATCATGCTCCGATGGAGCCCCCACATCGAGATTATCCAGGGCCCCACCA  
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GATATCCATATTCATCTCCAGTAGCTCTGCCGAGCCTTCTAGTTCTCCTCCTCTGCCTCCCA  
GTACCCTGCTTCCAGGCCCTGCCAGTTATCCTATTCTTCCCCACCAACTAGTATGTCTGTCTCT  
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GGAAACTCTGGGCCCCCTCCACCCGGAGCGTATCCTCACCTCTAGAGAGCAGTAACTCCCATCATGCAC  
ACCCTTACAACATGTCACCCTCCCTGGGGTCTTTAAGGCCTACCCCCAGGGCCAGCACACCTGCCTCC  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR211755 representing NM\_007881  
 Red=Cloning site Green=Tags(s)

MKTRQNKDSMSMRSGRKKKEAPGPREELRSRGRASPGGVSTSSSDGKAEKSRQTAKKARIEEPSAPKASKQ  
 GRSEEISESESEETSAPKKTKEQELPRPQSPSDLDSLGRSINDDGSSDPRDIDQDNRSTSPSIYSPGS  
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 PGAPPTHPLQLYPGNASGGVLSGPPMPGPKGAAASSVGVGAPSGGKQHPPPTTPIPISSSGASGAPPKPPSA  
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 PALYSDPAAREREREARERDLRDRLKPGFEVKPSELEPLHGVPGPLDPFPRHGLALQPGPPGLHP  
 FPFHPSLGPLERERLALAAGPALRPDMSYAERLAAERQHAERVAALGNDPLARLQMLNVT  
 PHHHQHSHIHSHLHLHQQDAIHAASASVHPLIDPLASGSHLTRIPYPAGTLPNPLPHPLHENEV  
 LRHQLFAAPYRDLPASLSAPMSAAHQLQAMHAQSAELQRLALEQQQWLHAHHPLHSVPLPAQEDY  
 YSHLKKESDKPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9094\\_c10.zip](https://cdn.origene.com/chromatograms/mm9094_c10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

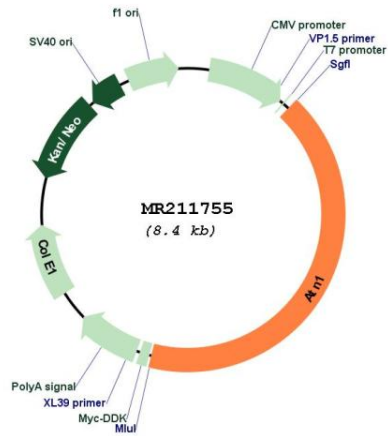


**ACCN:** NM\_007881

**ORF Size:** 3525 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_007881.4</a> , <a href="#">NP_031907.2</a>
<b>RefSeq Size:</b>	4426 bp
<b>RefSeq ORF:</b>	3528 bp
<b>Locus ID:</b>	13498
<b>UniProt ID:</b>	<a href="#">O35126</a>
<b>Cytogenetics:</b>	6 59.17 cM
<b>MW:</b>	123.7 kDa
<b>Gene Summary:</b>	Transcriptional corepressor. Corepressor of MTG8 transcriptional repression. Has some intrinsic repression activity which is independent of the number of the poly-Q repeats (By similarity). Recruits NR2E1 to repress transcription. Promotes vascular smooth cell (VSMC) migration and orientation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211755