

Product datasheet for **MC224365**

Atrnl1 (NM_181415) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atrnl1 (NM_181415) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atrnl1
Synonyms:	AI504415; Alp; Atrnl; Atrnlp; AW555641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224365 representing NM_181415 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGCCGGGGTCCGGGCCGCTCGGGTCCCCGCAGCCGGCCTCCCGGTGCTGTGGAGGGCTCGGC
CGGCGGGCGGTGGGGGCGCCTCCTCGGCTGCTGCTGGACGGGAACAGCTGGCTGCTGTGCTATGGCTT
CCTCTACCTGGCGCTCTATGCTCAGGTGTCCAGTCCAAGCCCTGCGAGAGGACTGGCTCCTGCTTCTCC
GGTCGCTGTGTCAACTCCACCTGCCTGTGCGACCCGGGCTGGGTGGGGACCACTGCCAGCACTGCCAGG
GCAGGTCAAGTTAACAGAACCTTCTGGATATTTAACAGATGGACCAATTAATAAATAAAACAAA
GTGTACATGGCTAATTGAAGGCTATCCAAATGCAGTGCTAAGGTTAAGATTCAATCATTTTGCTACAGAA
TGCAGCTGGGATCATATGTATGTTATGATGGAGATTCTATATACGCACCTTTAGTAGCTGTACTTAGTG
GCTTGATCGTTCTGAAGTGAGGGGTAACGAGACCGTGCTGAGGTGGTCACGACGTCTGGCTACGCGCT
GCTCCACTTTTTCAGCGATGCTGCATATAACCTAACTGGCTTCAACATTTTTTATTCGATCAATTCCTGT
CCTAACAACTGCTCTGGTCATGGAAGTGTACAACCACTGTCTCTGTTGCAAGTCAAGTGTATTGTGAAT
GCGACAAATACTGGAAAGGGGAAGCATGTGACATTCCTTACTGTAAAGCCAATTGTGGGAGTCCAGATCA
TGGCTACTGTGACCTAACAGGAGAGAACTCTGTGTCTGCAACGATAGTTGGCAAGGCCAGATTGTTCT
CTGAATGTCCCTTCTACTGAGTCTTACTGGATTTTGCCAAATGTTAAACCCTTCAGCCCTCCGTAGGTC
GGGCCTCACATAAAGCAGTTTTACATGGGAAATTCATGTGGGTGATTGGAGGATATACTTTAACTACAG
TTCTTTTCAAATGGTTCTGAATTACAATTTAGAAAGCAGTATATGGAATGTAGGTGCTGTATCAAGGGC
CCTCTTCAGAGATACGGACATTCCTTGCCCTCTATCAGGAAAACATCTTTATGTACGGAGGCAGAAATGG
AGACCACTGATGGCAACGTACCGATGAATTATGGGTGTTTAACTACGACGATCAATCATGGAGCACGAA
AACCCCACTGTCCTTGCCACAGTCAGCAGTACGCTGTGGAGGGACACTCGGCACACATCATGGAGCTG
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AGGAATACCATATCTCTCAAACACTTGGCTAGTTCCAGAAACGAAAGGAGCCATTGTGCAAGGTGGATA
TGCCACACAAGTGTATGACGAAGTGACCAAGTCCATCTATGTTACGGAGGCTACAAAGCATTCCT



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GGCAATAAGTACGGGCTGGTGGACGACCTCTATAAGTACGAAGTCAACACCAGGACTTGGACTATTTTGA
 AAGAAAGTGGGTTTGCCAGATACCTTCACTCAGCTGTTCTTATCAATGGAGCTATGCTTATTTTTGGAGG
 AAATACCCATAATGATACTTCCCTGAGTAACGGTGCAAAATGTTTTCTGCCGATTTCTGGCATATGAC
 ATAGCTTGTGACGAATGGAAGACATTGCCTAAACCAATCTCCATAGAGATGTCAACCGATTTGGGCATT
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 AGTGCCCTCCCAAGACAGCTGCTACCGATGACAGATGTTACAGATATGCTGACTGTGCCAGCTGCACAGC
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 GTCAGAACTACACTAAATGTATATAAGAAATGAGCAGATTTGTAACTTACAAGCTGTAAAAGCT
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 GCCAACTTTATTGCTATAACCTCAGTGGAATCTCGCTCCCTGACCAGTCCAAGGAGGTGGAGTTTG
 TGTGGATGAAATACAGAAGTTCACACAGCAGAAAGTGTACCGTGGGTAGGCCTACGCAAGATCAACAT
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 CCATGGCAGATGGACTCGTTTGTGAAAAGCCTGTAGTAAGCCCAAATCAGAACGCGAGGCCGTGCAAGAA
 GCCGTGCTCCCTGAGGACCTCCTGCGCCAACTGCACGAGCAGCGCATGGAGTGCATGTGGTGCAGCAGC
 ACGAAGCGCTGCGTGGACTCCAACGCTTACATCATCTCTTCCCTACGGACAGTGCCTGGAGTGGCAGA
 CTGCCACCTGCTCGCTCAAAATTTGTTCTGGGTAAAGAACCTGTGGACAGTGTGGAGCAGCCTGGGTG
 TGGCTGGTGCAACGATCTAGTAACACAGGAAGAGGCTATTGCATCGAAGGCTTCCCGGGGCCAATG
 AAACCTCGCGGGGTCCACAACAGTGACGTGGTCTTGACACCAGCCTCTGCCCAAGGAGAAGAACTACG
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 ACCAACCGTGGGAGTGACAGCTTGCAGTGCAGCGGCCATGCGAACGTCTGTACCTGCACACGGGAA
 AGTGTTTTTGCACAACCAAGGGGATCAAGGAGTACCAGTGCCAGCTATGTGACTCTGAAAATCGCTATGT
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 ACATTTTGATTAATGCTTCCAACAACCTTAATCTCAACATTACGTGGTCAGTTGGCTCAACAGGTGGAAC
 CATATCTGGGAAGAGACTCCTATAGTTTCTAAGACAAATATAAAGGAATACAGAGACAGCTTTTCTAT
 GAAAAATTTAACTTCAGAAGCAATCCTAATATCACATTTATGTGTATGTGAGCAACTTCTCTGCCTA
 TTTAAATACAGATTGCGTTTTCAACAACAACACAATCATGGATCTCGTGCAGTTCTTTGTACCTTCTT
 CAGTTGTTTTTATCTTACTGCTGGTGGCTGCTGGTCTGGAAGATCAAACTTGTCTGGGCTTCT
 CGTCGGAGGGAGCAACTGCTTCGAGAACGACAGCAGATGGCCAGCCGTCCTTTGCTTCTGTTGATGTAG
 CCCTGGAAGTAGGAGCTGAACAGACAGACTTCTGCGAGGGCCATTAGAGGGTGCCCTAAGCCAATAGC
 CATCGAACCTGCGCTGGGAACAGAGCTGCTGTCTGACTGTGTTTCTGTCTACCGAGAGGATCTTCA
 GGCGCCCCACCCCTGGGAGTCAGGCCTTGCTATCGCCAGTGCCTGATAGACATCTCACAGCAGAAGC
 CTTCTGATAATAAGACAAGACTTCTGGAGTCCGAATCGGAAGCACCTCTCCACAGTCAAGGAACCTG
 TGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_181415

Insert Size:

4137 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_181415.4, NP_852080.3</u>
RefSeq Size:	6596 bp
RefSeq ORF:	4137 bp
Locus ID:	226255
UniProt ID:	<u>Q6A051</u>
Cytogenetics:	19 D2
Gene Summary:	May play a role in melanocortin signaling pathways that regulate energy homeostasis. [UniProtKB/Swiss-Prot Function]