

Product datasheet for **SC308429**

ATRNL1 (NM_207303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATRNL1 (NM_207303) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATRNL1
Synonyms:	ALP; bA338L11.1; bA454H24.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308429 representing NM_207303. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGAGACTGGGGCGGGCCCGCACTGGTACCCCGCAGCCAGCGGCCCGGGGGTGTGGAGGGCTCGG
CCGGCGGGCGGGCGGGCGGGCGCCTCCTCTGGCTGCTGGACGGGAACAGCTGGCTGCTGTCTAT
GGCTTCTCTACCTGGCGCTCTACGCGCAGGTGTCCAGTCCAAGCCGTGCGAGAGGACCGGCTCCTGC
TTCTCGGGCCGCTGTGTCAACTCCACCTGCCTCTGCGACCCGGGCTGGGTGGGGGACCAGTGCCAGCAC
TGCCAGGGCAGGTTCAAGTTAACAGAACCTTCTGGATATTTAACAGATGGCCCAATTAACATAAATAT
AAACTAAATGTACTTGGCTCATTGAAGGCTATCCAAATGCAGTGTTAAGATTAAAGTTCAATCATTTT
GCTACAGAATGTAGCTGGGATCATATGTATGTTTATGATGGAGATTCAATATATGCACCTTTAATAGCT
GTACTTAGTGGTTTGATAGTCCCTGAAATAAGGGGCAATGAAACTGTGCCTGAAGTTGTTACTACATCT
GGCTATGCACTGTTACATTTTTTTAGTGATGCTGCGTATAATCTAACTGGTTTCAACATTTTCTATTCA
ATCAATTCTTGTCTCAACAATTGCTCTGGTCATGGGAAGTGACAAGTAGTGCTCTGTTCCAAGTCAA
GTATATTGTGAATGTGATAAATACTGGAAGGTGAAGCTTGATATTCTTACTGTAAAGCCAATTGC
GGCAGTCCAGATCACGGTTACTGTGACCTGACTGGAGAAAAATTATGTGTCTGCAATGATAGTTGGCAA
GGTCTGTATTGTTCTTTGAATGTTCCCTCTACTGAGTCTTACTGGATTCTGCCAAACGTTAAACCCCTTC
AGTCTTCTGTAGGTGGGCTTACATAAAGCAGTTTTACACGGGAAATTTATGTGGGTGATTGGTGGA
TATACTTTTAACTACAGTTCTTTTCAAATGGTCTCTAAATTACAATTTAGAAAGCAGTATATGGAATGTA
GGAAGTCCATCAAGGGGACCTCTCCAGAGATATGGACACTCTCTTGCTTTATATCAGGAAAAACATCTTT
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AGTCAGTCATGGAGTACAAAACTCCTACTGTTCTTGACATGGTCAGCAGTATGCTGTGGAGGGACAT
TCAGCACATATTATGGAGTTGGATAGTAGAGATGTTGTCATGATCATAATATTTGGATATTCTGCAATA
TATGGTTATAACAAGCAGCATACAGGAATACCATATCTCATCAAACTTGGCTTGTTCAGAAACTAAA
GGAGCTATTGTACAAGGTGGATATGGCCATACTAGTGTGTATGATGAAATAACAAAGTCCATTTATGTT
CATGGAGGTATAAAGCATTGCCAGGGAACAAATATGGATTGGTTGATGATCTTTATAAATATGAAGTT



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AACACTAAGACTTGGACTATTTTGAAAGAAAGTGGGTTTGCCAGATACCTTCATTGAGCTGTTCTTATC
AATGGAGCTATGCTTATTTTGGAGGAAATACCCATAATGACACTTCCTTGAGTAACGGTGCAAAATGT
TTTTCTGCCGATTTCTGGCATATGACATAGCTTGTGATGAATGGAAATACTACCAAAACCAATCTT
CATAGAGATGTCAACAGATTTGGACACTCTGCAGTAGTCATTACGGGTCCATGTATATTTGGGGGA
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GAACCTTTGTAATAATGCTGGTCCAGGGATAAAATGTGTTTGAATAAAAACTACTGTGAATCTTGGGAA
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CAGCAAGATGCCAGGCTTACCAGCTCATCTTGTGGAGAAGGATGGAGTCATATTGGGGATGCTTGT
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CTTGCTTCATTAAACCTCAAAAGAAGTAGAATTTGTTCTGGATGAAATACAGAAGTATACACAACAG
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CCTGTTGTTAGTCCAAATCAAAATGCGAGGCCGTGCAAAAAGCCATGCTCTCTGAGGACATCATGTTCC
AACTGTACAAGCAATGGCATGGAGTGTATGTGGTGACAGTACGAAACGATGTGTTGACTCTAATGCC
TATATCATCTCTTTCCATATGGACAATGTCTAGAGTGGCAAAGTCCACCTGCTCCCCTCAAAATTGT
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ACAGGAAGAGGACATTGCATTGAAGTTCTTACGGGGACCAATGAAGCTTATTGGAATGCACCACAGT
GAGATGGTTCTTGACACCAATCTTTGCCCAAAGAAAAGAACTATGAGTGGTCTTTATCCAGTGTCCA
GCTTGCCAGTGTAAATGGACATAGCACTTGCAATCAATAATGTGTGCGAACAGTGTAAAAATCTCACC
ACAGGAAAGCAGTGTCAAGATTGTATGCCAGGTTATTATGGAGATCCAACCAATGGTGGACAGTGCACA
GCTTGTACATGCAGTGGCATGCAATATCTGTCTGTCACACAGGAAAATGTTTCTGCACAACTAAA
GGAATAAAAGGTGACCAATGCCAATTATGTGACTCTGAAAATCGTATGTTGGTAAATCCACTTAGAGGA
ACATGTTATTACAGCCTTTTATTGATTATCAATTTACCTTCAGCTTATTACAGGAAGATGATCGCCAC
CATACTGCCATAAACTTTATAGCAAACCCAGAACAGTGAACAAAAATCTGGATATATCAATTAATGCA
TCAAACAACCTTAATCTCAACATTACGTGGTCTGTGCGTTCAACAGCTGGAACAATATCTGGGAAGAG
ACTTCTATAGTTTCCAAGAATAATATAAGGAATACAGAGATAGTTTTCTATGAAAAATTTAACTTT
AGAAGCAATCCTAACATTACATTCTATGTGTACGTGAGCACTTTTCTGCGCTATTAATAACAGATT
GCATTCTCACAACACAATACAATCATGGACCTTGTGCAGTTTTTTGTACCTTCTCAGTTGTTTCTTA
TCCTTATTGCTGGTGGCTGCTGTGGTATGGAAGATCAAAACAACTTGTGGGCTTCTCGACGGAGAGAG
CAACTGCTTCGAGAACGACAGCAGATGGCCAGCGCTCCCTTTGCTTCTGTTGATGTAGCTCTGGAAGTG
GGAGCTGAACAAACAGAGTTTCTGCGAGGGCCATTAGAGGGGGCACCAGCCAATTGCCATTGAACCA
TGTGCTGGGAACAGAGCTGCTGTTCTGACTGTGTTTCTTGTCTACCACGAGGATCATCAGGTGCCCT
CCCCCTGGGCAGTCAGGCCTTGAATTGCCAGTGCCCTAATAGATATTTCAACACAGAAAGCTTCAGAT
AGTAAAGATAAGACTTCTGGAGTCCGGAATCGAAAACACCTTTCAACACGTCAAGGAACCTGTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sgfl-MluI

ACCN:

NM_207303

Insert Size:

4140 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_207303.4</u>
RefSeq Size:	8746 bp
RefSeq ORF:	4140 bp
Locus ID:	26033
UniProt ID:	<u>Q5VV63</u>
Cytogenetics:	10q25.3
Protein Families:	Druggable Genome, Transmembrane
MW:	152.6 kDa
Gene Summary:	May play a role in melanocortin signaling pathways that regulate energy homeostasis. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.