

Product datasheet for **SC109931**

Attractin (ATRN) (NM_139322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Attractin (ATRN) (NM_139322) Human Untagged Clone
Tag:	Tag Free
Symbol:	Attractin
Synonyms:	DPPT-L; MGCA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_139322, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGCTGCAGCGCGGCAACTGAGGCAAGGCTGAGGAGGAGGACGGCGGCGACGGCAGCGCTCGCGG
GCAGGAGCGCGGGCCGCACTGGGACTGGGACGTGACCAGGGCTGGGAGGCCGGGGCTGGGGCCGGGCT
GCGCCTCCCGGGCTGCTGTCTCCACCGCTGCGGCCACGGCTGCTGCTGCTGTTGTTGCTCTCGCCG
CCGCTGCTGCTGCTGCTGCCCTGTGAGGCCGAGGCCGCGGGCGGGCGGGCGGGTGTGGGCTCAG
CCGAGCCGAGGCCAAGGAATGTGACCGGCCCTGTGTCAACGGCGGTGCTGCAACCCTGGCACCAGGCCA
GTGCGTCTGCCCCGCGGCTGGGTGGGCGAGCAATGCCAGCACTCGGGGGCCGCTTCAGACTAACTGGA
TCTTCTGGTTTTGTGACAGATGGACCTGGAATTATAAATACAAAACGAAGTGCACGTGGCTCATTGAAG
GACAGCCAAATAGATAATGAGACTTCGTTTCAATCATTTTGCTACAGAGTGTAGTTGGGACCATTATA
TGTTTTATGATGGGACTCAATTTATGCACCGCTAGTTGCTGCATTTAGTGGCCTCATTGTTCTGAGAGA
GATGGCAATGAGACTGTCCCTGAGGTTGTTGCCACATCAGGTTATGCCTTGTGCATTTTTTTAGTGATG
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AGGAGAGTGTAAGATCAGTAATAGCAGCGATACTGTTGAATGTGAATGTTCTGAAAACGGAAAGGTGAA
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AACATTATGTGGTTGTTGGAGGATATATGTTCAACCACTCAGATTATAACATGGTTCTAGCGTATGACC
TTGCTTCTAGGGAGTGGCTTCCACTAAACCCTTCTGTGAACAATGTGGTTGTTAGATATGGTCATTCCTT
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TGGTTGGGCACTCTGCACACATTGTTACTACTGAAGAATGGCCGAGTGGTCATGCTGGTCATCTTTGGTCA
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CACACCCAGGGTCCCTTGTGCAAGGGGTTACGGCCATAGCAGTGTTCAGCCATAGGACCAGGGCC
TATACGTTTCATGGTGGCTACAAGGCTTTCAGTGCCAATAAGTACCGGCTGCAGATGATCTACCGATA
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TGATGTGGATACCCAGATGTGGACCATTCTTAAGGACAGCCGATTTTTCCGTTACTTGCACACAGCTGTG
 ATAGTGAGTGGAAACCATGCTGGTGTGGAGGAAACACACAATGACACATCTATGAGCCATGGCGCCA
 AATGCTTCTTTCAGATTTTCATGGCCTATGACATTGCCTGTGACCCTGGTCAGTGTCCAGACCTGA
 TCTCCACCATGATGTCAACAGATTTGGCCATTACAGCAGTCTTACACAACAGCACCATGTATGTGTTCCGGT
 GGTTTCAATAGTCTCCTCCTCAGCGACATCCTGGTATTCACCTCGGAACAGTGTGATGCGCATCGGAGTG
 AAGCCGCTTGTTAGCAGCAGGACCTGGTATTCGGTGTGTGGAACACAGGGTCTCAGTGTATCTC
 GTGGGCGCTGGCAACTGATGAACAAGAAGAAAAGTTAAAATCAGAATGTTTTTCCAAAAGAACTCTTGAC
 CATGACAGATGTGACCAGCACACAGATTGTTACAGCTGCACAGCCAACACCAATGACTGCCACTGGTGCA
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 AGCAGATACAACCTGGTCTTTTCACTACTGTCAGCTTGCCAATGCAACGGCCACAGTAAATGCATCAAT
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 TTTCTCTAATGAGAAGTTTGATTTTCGCAACCACCCAAATATCACTTTCTTTGTTTATGTCAGTAATTC
 ACCTGGCCCATCAAATTCAGGTGCAAACCTGAACAATGA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_139322 unedited
 GGTCAATTTGTATACGACTCACTATAGGCGCCGGAATTCGCACGAGGCTCGTGCCG
 AATTTCGGCAGGAGCTCAGCCCCGGAAGAGGTGGCTGCAGCGGCGCAACTGAGGCAAG
 GCTGAGGAGGAGGACGGCGGCGACGGCAGCGCTCGCGGGCAGGAGCGGCGGGCCGACTG
 GGAATGGGACGTGACCAGGGCTGGGAGGCGGGGCTGGGGGCGGGCTGCGCCTCCCGCG
 GCTGCTGTCTCCACCGCTGCGGGCACGGCTGCTGCTGCTGTTGTTGCTCTCGCCGCC
 GCTGCTGCTGCTGCTGCTGCCCTGTGAGGCCGAGGCCGCGGGCGGGCGGGCGGGTGTG
 GGGCTCAGCCGACGGCAGGCAAGGAATGTGACCGGCCCTGTGTCAACGGCGGTGCTG
 CAACCTGGCACCAGGCAAGTGCCTGCTGCCCCGCGGCTGGGTGGGCGAGCAATGCCAGCA
 CTGCGGGGGCCGCTTCACTAACTGGATCTTCTGGGTTGTGACAGATGGACCTGGAAA
 TTATAAATACAAAACGAAGTGCACGTGGCTCATTGAAGGACAGCCAAATAGAATAATGAG
 ACTTCGTTTCAATCATTTTGTACAGAGTGTAGTTGGGACATTTATATGTTTATGATGG
 GGACTCAATTTATGCACCGTAGTTGCTGCATTTAGTGGCTCATTGTTCTGAGAGAGA
 TGGCATGAGACTGTCCCTGAGTTGTTGCCACATCAGGTTATGCCTTGCTGATTTTTT
 TAGTGATGCTGCTATAATTTGACTGGATTAATATACTCACAGCTTTGATATGTGTCCA
 AATAACTGCTCAAGCCGAGGAGAGTGAAGATCAGTAATAGCAGCGATACTGTTGAATG
 TGAA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_139322 unedited GTCCGCGCCGCAATCTACAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAA TTATACTTTAAGTTTTAGGGTACATGTGCACAACATGCAGGTTTGTACATATGTATACA TATGCCATGTTGGTGTGCTGCACCCATTAACCTCGTCATTTAACATTAGGTATATCCCCTA ATGCTATCCCTTCCCCTTCCCCCACCACAAACAGGCCCTGGGGTGTGATGTTCCCCTT CCTGTGTCATGCGTCCTCATTGTTTCAGTTTGCACCTGAATTTTGTATGGCCAGGTGAAA TTACTGACATAAACAAAGAAAGTATATTGGGTGGTTGCGAAAATCAAACCTTCTCATT GAGAACTATCTTTGACTCCTTAATGTTGGTTTTTGAACAACAGGCATCTCTTCTCCA GCCTGGGTTCCAGCTGAGAACTGGCAGCCAGGTGATGTTGAGGTTGAAATTCTTGAGAG GCATTGATGAACATGTCCAAATCCCTGTTTTGTTTCGTCAGGAGTACCCACAAAATCGATA GCTGTGTAATACCATCATCCTTCTGGGATAGACTAAAGGTGAACTGATGGTCAATTAACA AGAGTTTAATAACATGTTTCTCTGAGAGGGTTTCTTGGTATCCATTTTCTACCTCACA TAGCTGGCACCCGCCCTCGCACGCCTTGGGGCGCAAAAACACTTGCCTCCGCTGGC GTTCAAAAAAACCCCGCCCAATGCATTGGCTGCCCGCATTTCCCTCTTCGGGGCGACA CCCGACAACCACAATTGCGGGTTTGAAGCCTCGCGTGGGTCAAGGCCTCACATTTTTC CAGATGCCCGATGGAGCCTTTTTTCGGGCCCTCCCTTGCCACTCGCACNGAATGAAC ACCCACTGATTTGCGTCCTTTA
Restriction Sites:	NotI-NotI
ACCN:	NM_139322
Insert Size:	4520 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:	<ol style="list-style-type: none"> 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_139322.1 , NP_647538.1
RefSeq Size:	4116 bp
RefSeq ORF:	3819 bp
Locus ID:	8455
UniProt ID:	O75882
Cytogenetics:	20p13
Domains:	CUB, CLECT, EGF_Lam, PSI, PSI, EGF, Kelch
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

This gene encodes both membrane-bound and secreted protein isoforms. A membrane-bound isoform exhibits sequence similarity with the mouse mahogany protein, a receptor involved in controlling obesity. A secreted isoform is involved in the initial immune cell clustering during inflammatory responses that may regulate the chemotactic activity of chemokines. [provided by RefSeq, Apr 2016]

Transcript Variant: This variant (2) differs in the 3' UTR and coding region compared to variant 1, resulting in an isoform (2) with a distinct C-terminus compared to isoform 1. Unlike isoform 1, which is membrane-bound, isoform 2 is secreted.