

Product datasheet for RC235195

Attractin (ATRN) (NM_001207047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Attractin (ATRN) (NM_001207047) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATRN
Synonyms:	DPPT-L; MGCA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC235195 representing NM_001207047 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGTTGCGGGGGCGCCGTCTCAGCCCCGGGAAGATGGTGGCTGCAGCGGGGCAACTGAGACTAACTG
GATCTTCTGGGTTTGTGACAGATGGACCTGGAAATTATAAATACAAAACGAAGTGCACGTGGCTCATTGA
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TGCTGCTTATAATTTGACTGGATTTAATATTACTTACAGTTTTGATATGTGTCCAAATAACTGCTCAGGC
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GTGGTTTCAATAGTCTCCTCCTCAGCGACATCCTGGTATTACCTCGGAACAGTGTGATGCGCATCGGAG
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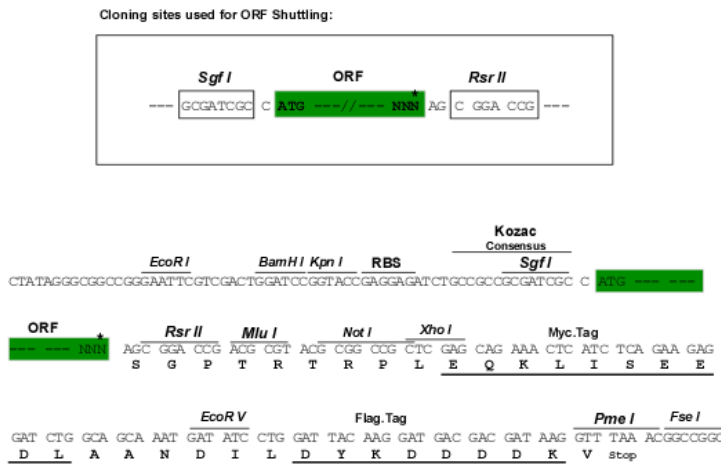
Protein Sequence: >RC235195 representing NM_001207047
 Red=Cloning site Green=Tags(s)

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 LALYKDKIYMYGGKIDSTGNVTNELRVFHIHNEVWLLTPKAKEQYAVVGHSAHIVTLKNGRVVMLVIFG
 HCLPLYGYSNVQYEDLDKNTWSILHTQGALVQGGYGHSSVYDHRTRALYVHGGYKAFSANKYRLADDLYR
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 DLHHDVNRFGHSAVLHNSTMYVFGFNLSLLSDILVFTSEQCDHRSEAACLAAGPGIRCVWNTGSSQCI
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 CPKDNPMYYCNKKTSCRSCALDQNCQWEPRNQECIALPENICGIGWHLVGNLCKITTAKENYDNAKLC
 RNHNALLASLTTQKKVEFVLKQLRIMQSSQSMKLTLPWVGLRKINVSYWCWEDMSPFTNSLLQWMPSE
 PSDAGFCGILSEPSTRGLKAATCINPLNGSVCERPANHSAKQCRTPCALRTACGDCTSGSSECMWCSNMK
 QCVDSNAYVASFPFGQCMEWYTMSTCPPENCSGYCTCSHCLEQPGCGWCTDPSNTGKGGKIEGSYKGPVK
 MPSQAPTGNFYQPPLNSSMCLEDSRYNWSFIHCPACQCNGHSCINQSIKCEKCNLTTGKHCETCISGF
 YGDPTNGGKCPCKCNGHASL CNTNTGKCFCTTKGVKGDCEQLCEVENRYQGNPLRGTCYYTLLIDYQFT
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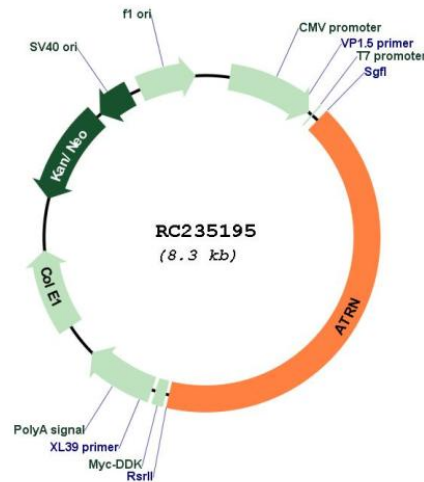
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001207047

ORF Size: 3468 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_001207047.3](#)

RefSeq Size: 3584 bp

RefSeq ORF: 3471 bp

Locus ID: 8455

UniProt ID: [O75882](#)

Cytogenetics: 20p13

Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	130.3 kDa
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]