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Product datasheet for RR201696

Atrip (NM_001106859) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atrip (NM_001106859) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atrip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RR201696 representing NM_001106859
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGGGACTCCCGCACCGAACAGCCACAGGAAGCAGAGTGGCGGCCTGGAGCCTTTCCTCGGTCTGT
CTCGGTCCATCGAGAACCCTCCGAGCAAGCGGGCCCGGAGCTTCTCTGAGACCACAGTTCCGGACCCCGA
AGACCCATTCGGCGAGCACGCGGAATTTACTGCGGACGACCTAGAGGAACTGGACATCCTCGCGTCACAG
GCCCTGAGCCAGTGTCCGGTCGCGCCTCCGAACCTGTCCTGTGCTCATAAGGTCCGTCGACTAGATGGGT
TACCAAATAGTCCTATAAGGAAAAACAGAGAAGATATTCCAGTTAAAGATAACTTTGAACTAGAAGTACT
TCAGATACAGTACAGAGAACTTAAAGAAAAGCTGAAAGCAATGGAAGAAGAAATCCTAATTAAGAATGGA
GAAATTAAAATTTTGCGTGACTCACTGCATCAGACAGAATCCGTTCTAGAAGAACAGAAAAGATCACATT
TTCTTCTTGAGCAAGAAAAGACTCAAGCACTCAGTGAAAAGGAAAAGGAATTCTCCAAAAAGCTCCAATC
ACTGCAGTCTGAACTCCAGTTTAAAGATGCAGAAATGAATGAATTAAGGACAAAGCTTCAGAGCAACGAA
CGAACAAATAAACTAACCATTCCGTCAGTCTCCCAAGTCAGTCCTAGGAAAGGCTCTTCTGTGGTTGTAA
AGTCAGAAGCATGTTCTCCACATGTTGGAAAAACAACTTTCCCTACAAAGGAGTCTTTTAGTGCTAACAC
GCCTCTCTTCCACCCCTGTCAGACTGAGGCAGGACACAAATTTCTGGTGGGCCAAGAGGTTTCGGATAAT
AAAGCCCATGTGGGAGGTAACCTCCTGAAGCAAGACGTGCAGCAGAAAATTCTCACTGACAGCTGGGTAC
AGAGAAAAAACACTCAAGGTTCTATCTTGATAAACTTGCTCCTGAAGCAACCTTTGGTGCCAGGGTCATC
TCTAGGTCTTTGTCACCTTCTGAGCAGTGGAGCTGAGGTTCCCACTGGCCCCATCTTGCAGCCAGCAGGG
CTCAGTACTTTGCCTGGGACTTCAGGCCTCAGGACCATCAGCTCTTCTGATGGGCCATTTTCCCCCTCTG
CCCTGAGAGAAGCACAGAACTTGGCATTCACTGGATTAAATCTGGTTGCCAGGAGTGAGAGCTCACATGA
CGGAGATGTAGCAGGCAGAAGAGTCTTCCCACTCTGCCAGCTTCCTGGAGCTGTGCATATCCTCCCTCTT
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CAGATACAGTCTCAGCCTCCAGGGAAGACGCTCATGGCCAAAACCAGCACCCACTATTGAAGATGCTTCT
TCAGCTGATGGCGTTCTCTTCTACAACATCAGGTCAATTTCAAGCCAGTGTCCTGAGCCAGTGCCTCAAA
GTTTTGGTGAAGTTAGCTGAAAACGCTTCCTCTGATTTGTTGCCCAGGTTCTCCTTCGTGTTCCCGATGT
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ATGTACATTACATCAAGGCCTGACAAAACGGCCTCAGAGACACAGTGGCTTCAGCTGGAACAAGAGGTAG
TGTGGCTCTTGGCCAAGCTGAGTGTGCAGAGCCCTTCCCCCGCTGGCATTGTTTCTGACTGTCAGTGCAA
TGTAGAGGCAGTCAGAGCACTCACTGTGATGTTGCACAGGCAATGGCTGACTGTGCGGCGGGCAGGGGGT
CCAAGGACCCACCAGCAGAAGCAGACGGTCCGCTGTCTGCGGGACACTGTGCTGCTGCTGCACAGCCTAT
CTCAGAAGGACAAGCTCTTTACTGTGCACTGTGTCGAGGTCCTGCATCAGTACGACCAGGTGATGCCAGG
GGTCAGCATGCTGATTCGAGCCCTTCCTGATGTGACTGACTGTGAAGAGGCTGCCCTGGATGACCTCTGT
GCTGCAGAGACAGATTTGGAAGACGCCGAGATGGACTGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

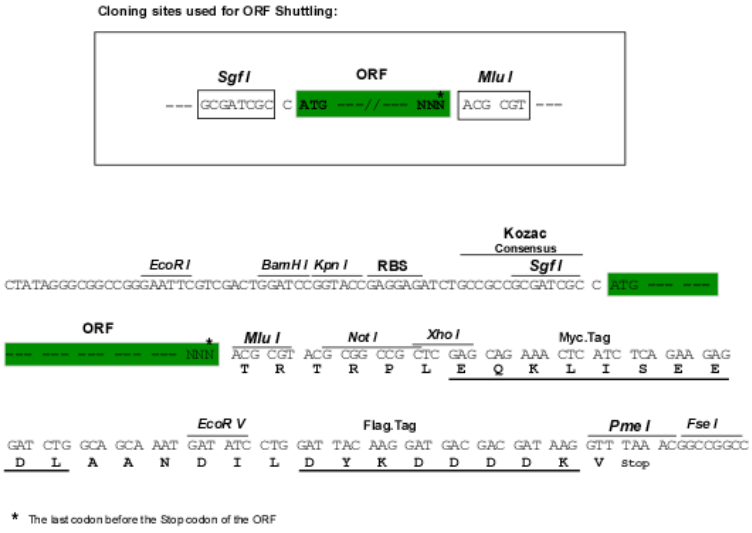
>RR201696 representing NM_001106859
Red=Cloning site Green=Tags(s)

MAGTPAPNSHRKQSGGLEPFLGLSRSIENPPSKRARSFSETTVPDPEDPFGEHAEFTADDLEELDILASQ
ALSQCPVAPPNLSCAHKVRRLDGLPNSPIRKNREDIPVKDNFELEVLQIQYRELKEKLKAMEEEILIKNG
EIKILRDSLHQTESVLEEQKRSHFLLEQEKTQALSEKEKEFSKKLQSLQSELQFKDAEMNELRTKLQSNE
RTNKLTIPSVSQVSPRKGSSVVVKSEACSPHVGKTTFPTKESFSANTPLFHPCQTEAGHKFLVGQEVSDN
KAHVGGNLLKQDVQQKILTDSWVQRKNTQGSILINLLLKQPLVPGSSLGLCHLLSSGAEVPTGPILQPAG
LSTLPGTSGLRTISSSDGPFSPSALREAQNLAFTGLNLVARSESSHDGDVAGRRVFPLCQLPGAVHILPL
VQFFIGLHCQALQDLTPAKKNGAPGASPTDTSHMSSGVEASPEDSVCSLESTSVASLSVLQHLVCHSGAV
VCLLLSGMGTNAAAREGDLSQTCADTVSASREDAHGQNQHPLLKMLLQLMAFSSTTSGQFQASVLSQCLK
VLVKLAENASSDLLPRFSFVFPMLPQCLCSELPLSCVLLAVELLSVLVDQDSLAQQLCSHSEGCLLLRLY
MYITSRPDKTASETQWLQLEQEVVWLLAKLSVQSPSPAGIVSDCQCNVEAVRALTVMLHRQWLTVRRAGG
PRTHQQKQTVRCLRDTVLLLHSLSQKDKLFTVHCVEVLHQYDQVMPGVSMLIRALPDVTDCEEAALDDLC
AAETDLEDAEMDCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

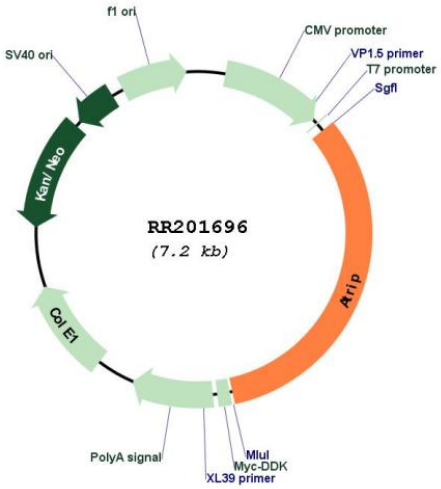
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001106859
ORF Size:	2352 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_001106859.1, NP_001100329.1
RefSeq Size:	2549 bp
RefSeq ORF:	2355 bp
Locus ID:	301014
Cytogenetics:	8q32

MW:	85.5 kDa