

Product datasheet for **MC221598**

Atrip (NM_172774) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atrip (NM_172774) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atrip
Synonyms:	6620401K05Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221598 representing NM_172774
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGGGACCCCCGCACCGAACGCCACAGGAAACAGAGTGGCGGCCCTGGAGCCTTCCCGGTCTGT
 CTGCATCCATTGAGAACCCTCCGAGCAAGCGGGCCGGAGCTTCTCTGAGACCACAGTCCCGGACCCCGA
 AGACCCATTTCGGTGAGCACGCGGAATTTACTGCGGACGACCTAGAGGAACTCGACATCCTCGCGTCACAG
 GCCCTGAGCCAGTGTCCCGTCGCGCCTCGGAACCTGTCCAGTGCTCATAAGGTCCGCCGATTAGATGGGT
 TACCAAAAGTCTATAAGGAAAAGCAGAGAAGATATTCCAGTTAAAGATAATTTTGAATTAGAAGTACT
 TCAGATACAATACAAAGAACTTAAAGAAAAGCTGAAAGCAATGGAAGAAGAAATCCTAATTAAGAATGGA
 GAAATTAATTTTTCGTGACTCTCTGCGTCAGACAGAATCCGTTCTAGAAGAACAGAAAAGATCACATT
 TCCTTCTTGAGCAAGAAAAGACTCAAGCACTCAGTAAAAGGAAAAGGAATTCAGAAAAGCTCCAATC
 ACTGCAGTCTGAACTGCAGTTTAAAGACGCAGAAATGAATGAGTTAAGGACAAAGTCTCAGAGCAACGGA
 CGAACAAATAAGCCAGCCGCTCCCTCCGCTCCCACGTCAGTCCTAGGAAAGGCTTCTGTGGTTCTCA
 AGTCAGAAAGCATGTTCTCCACATGTTGGAAAAACAACCTTCCCTACAAAAGAATCTTTTAGTGCTAACAC
 GCCTCTCTCCACCCCTGTGAGACTGAGGCAGGACACAGATTTCTGGTGGGCCAAGAGGTTTCAGATAAT
 AAAAACACAGTCTGGGAGGTAGCCTCATGAAGCAAGATGTGCAGCAGAGAATTCGGTGTGAGGCTGGA
 TGCAGAGAAAAGATGCTCAAGTTCTATTTTGATAAACTGTCTCTGAAGCAACCTTTGGTGCCAGGGTC
 ATCTCTAGGTCTTTGTACCTTCTGAGCAGTTGTCTGAGGTTCTACTGGCACCTCTTGACGCCACCA
 GGGCTCAGTACTTTCCCTGGGACTTCAGGCCTCAGGACCATCAGTCTTCTGATGGGCCATTTTCCCCT
 CTGCCCTGAGAGAAGCACAGAACTTGGCATTACTGGATTAATCTGGTTGCCAGGACTGAGAGCTCACA
 TGATGGAGACATGGCAGGCAGAAGAGTCTTCCCGCTCCACCAGTTCCTGGAGCTGTGCATCTCCTTCT
 CTTGTGCAGTTTTTCGTGCGCTTACACTGCCAGGCTCTGCAAGATTTAGCCCCAGCTAAGAAGAGTGGGG
 TGCTGGGACTCTGCGACACATACCTCTGCATGAGCTCTGGGGTCGAGGCTAGCCAGAGGACTCCAT
 TCATGGCTTGAGAGCTTTTCTGTGGCATCACTCAGCGTCCTCAGAACCTGGTGTGCCACAGTGGGGCA
 GTTGTCTGCCTGTACTGTGAGGATGGGGACAGAAGCTGCCGCCAGGGAAGGAACTTGGTCCAGACTT
 GTGCAGATAACCTCAGCCTCCAGGGAGGATGCTCATGACCAAGACCAGCACCCACTGCTAAAGATGCT
 TCTTCAGTGTGCTTCTCCTCTGCAGCATCAGGTCATTTTCAAGCCAGTGTCTGGGCTGTGCCCTC
 AAAGTTTTGGTGAATAGCAGAAAACGCTTCCCTGATTTGTTGCCAGGTTCTCTGTGTGTTCCCGG
 TGTGCCACAGTGCCTCGGCTCAGCGCTGCCGCTGCCCTGTGTGCTCCTGGCTGTTGAGCTGCTCTCTGT
 GCTGTGGACATGACAGCCTAGCATGGCAGTATGCTCCCACCCAGAAGGCTGCCTTCTCTGAGGCTG
 TACATGTACATCACATCAAGGCCTGACAGAACGGCCTCAGAGACACAGTGGCTTCAGCTGGAACAAGAGG
 TAGTATGGCTCTTGGCAAGCTGAGTGTACAGAGCCCTGCCCCGCTGGCATTGGTTCTGACTGTCACTG
 CAATGTAGAGGCAGTCAAGCGCTCACTGTGATGTTGCACAGGCAATGGCTGACGGTGGCGGGCAGGA
 GGTCCAAGGACCCACCAGCAGAAGCAGACGATACGCTGTCTGCGGGACACTGTGCTGTGCTGCATAGCC
 TATCTCAGAAGGACAAGCTTCTCACTGTGACTGTGTGAGGTCCTGCATCAGTACGACCAGGTGATGCC
 AGGGGTCAGCATGCTGATTCGAGCCCTTCTGATGTGACTGACTGTGAAGAGGCTGCCCTGGATGACCTC
 TGTGCTGCGGAGACTGATTTGGAAGACTCTGAGATGGACTGTAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172774
Insert Size: 2358 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_172774.3 , NP_766362.2
RefSeq Size:	2572 bp
RefSeq ORF:	2358 bp
Locus ID:	235610
UniProt ID:	Q8BMG1
Cytogenetics:	9 F2
Gene Summary:	Required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein (By similarity).[UniProtKB/Swiss-Prot Function]