

## Product datasheet for MR223676

### Atr (NM\_019864) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Atr (NM\_019864) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Atr  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR223676 representing NM\_019864  
 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >MR223676 representing NM\_019864  
 Red=Cloning site Green=Tags(s)

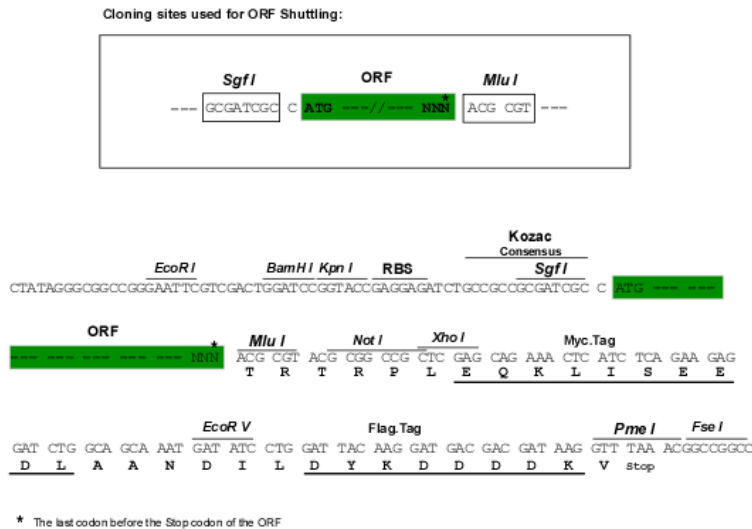
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**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9106\\_g02.zip](https://cdn.origene.com/chromatograms/mm9106_g02.zip)

**Restriction Sites:** SgfI-MluI

Cloning Scheme:



ACCN: NM\_019864

ORF Size: 7923 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\\_019864.1](#), [NP\\_063917.1](#)

**RefSeq Size:** 8074 bp

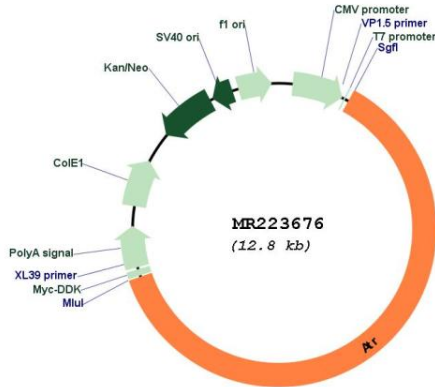
**RefSeq ORF:** 7926 bp

**Locus ID:** 245000

**Cytogenetics:** 9 E3.3

**MW:** 301 kDa

**Product images:**



Circular map for MR223676