

Product datasheet for **MC205026**

Atraid (NM_212470) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atraid (NM_212470) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atraid
Synonyms: 0610007C21Rik; AI316792; Apr3; HSPC013; p18
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC049637

```
GAAAGCAGTGGGAAATGGCGTCTCGGGAGTCAGGCGGCTCTCGGGCGGCCCCCTGCTCCTGGTTCTGGG
CGTGGAGAGGGCCCTGGCTCTACCTGAGATATGCACCCTGTGTCCGGGAGGCTAGATCTTCAGAAGTGT
CCCTGAAGGATCCTGGTCCAAACTTTTTACAGGCTTATACTGCTATTATCATAGACCTTCAGGCAAATCC
TCTCAAGGATGATTTGGCCAACACCTTCCGTGGGTTTACTCAGCTGCAGACTCTGATACTACCACAAAGAT
GTTCCCTGCTCCTGGAGGTAGTAATGCCTGGGACAATGTTACTTCTTTCAAGGACAAGCAGATTTGCCAAG
GGCAAAGGGACCTTTGCAATAGCACTGGAAGCCAGAAATGTGTCCTGAGAACGGATCTTGTGCATCTGA
CGGTCCTGGTCTTTGCACTGCGTTTGTGCTGATGGTTTCCATGGATAACAAGTGTATGAGGCAGGGCTCA
TTTTCACTGCTTATGTTCTTTGGGATTCTGGGATCCACCAGCTAGCCATCTCCATTTTACTTTGGGGAA
CCCAGCGCCGAAAGCCAAGGCTTCATGAGCCACACAAGACTTCCAGCTCACCTGACTGCGCACCCCTCAT
CTATCAAGTCCCAGCCATGTCGAGCCAAGAAGATTTACTTCGTTGACAATTACTGGCCAATGAGCAGAA
CTGTTTAAGGCTGAAGCGCCATTGATAATGAAAGGTGTCAAATTGCACCACCTCGGGGGTCTTGTGGAC
ACTTGGTTCAGGAGTGGACTCGTACTAATTTGATTATTGACTACAATAAACACCTTTTCCCCCGTTTTTA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites: Sfil-Sfil

ACCN: NM_212470

Insert Size: 489 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).



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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: [BC049637](#), [AAH49637](#)

RefSeq Size: 896 bp

RefSeq ORF: 489 bp

Locus ID: 381629

UniProt ID: [Q6PGD0](#)

Cytogenetics: 5 B1

Gene Summary: Promotes osteoblast cell differentiation and terminal mineralization. Plays a role in inducing the cell cycle arrest via inhibiting CCND1 expression in all-trans-retinoic acid (ATRA) signal pathway (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct N-terminus, compared to isoform 1.