

Product datasheet for **MC218031**

6620401K05Rik (BC078458) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	6620401K05Rik (BC078458) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	6620401K05Rik
Synonyms:	5930438A12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC078458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGGACCCCCGCACCGAACGCCACAGGAAACAGAGTGGCGGCCCTGGAGCCTTCCCGGTCTGT
 CTCGATCCATTGAGAACCCTCCGAGCAAGCGGGCCGGAGCTTCTCTGAGACCACAGTCCCGGACCCCGA
 AGACCCATTTCGGTGAGCACGCGGAATTTACTGCGGACGACCTAGAGGAACTCGACATCCTCGCGTACAG
 GCCCTGAGCCAGTGTCCCGTCGCGCCTCGGAACCTGTCCAGTGCTCATAAGGTCCGCCGATTAGATGGGT
 TACCAAAAGTCTATAAGGAAAAGCAGAGAAGATATTCCAGTTAAAGATAATTTTGAATTAGAAGTACT
 TCAGATACAATACAAAGAACTTAAAGAAAAGCTGAAAGCAATGGAAGAAGAAATCCTAATTAAGAATGGA
 GAAATTAATTTTTCGTGACTCTCTGCGTCAGACAGAATCCGTTCTAGAAGAACAGAAAAGATCACATT
 TCCTTCTTGAGCAAGAAAAGACTCAAGCACTCAGTAAAAGGAAAAGGAATTCAGAAAAGCTCCAATC
 ACTGCAGTCTGAACTGCAGTTTAAAGACGAGAAATGAATGAGTTAAGGACAAAGTCTCAGAGCAACGGA
 CGAACAAATAAGCCAGCCGCTCCCTCCGTCACGTCAGTCCAGGAAAGGCTTCTGTGGTTCTCA
 AGTCAGAAAGCATGTTCTCCACATGTTGGAAAAACAACCTTCCCTACAAAAGAATCTTTAGTGCTAACAC
 GCCTCTCTCCACCCCTGTGAGACTGAGGCAGGACACAGATTTCTGGTGGCCAAGAGGTTTCAGATAAT
 AAAAACACAGTCTGGGAGGTAGCCTCATGAAGCAAGATGTGCAGCAGAGAATTCGGCTGATGGCTGGA
 TGCAGAGAAAAGATGCTCAAGTTCTATTTTGATAAACTGTCTCTGAAGCAACCTTTGGTGCCAGGGTC
 ATCTCTAGGTCTTTGTCACCTTCTGAGCAGTTGTCTGAGGTTCTACTGGCACCTCTTGCCAGCCACCA
 GGGCTCAGTACTTTCCCTGGGACTTCAGGCCTCAGGACCATCAGTCTTCTGATGGGCCATTTTCCCCT
 CTGCCCTGAGAGAAGCACAGAACTTGGCATTCACTGGATTAATCTGGTTGCCAGGACTGAGAGCTCACA
 TGATGGAGACATGGCAGGCAGAAGAGTCTTCCCGCTCCACAGCTTCTGGAGCTGTGCATCCTTCTCT
 CTTGTGCAGTTTTTCGTGCGCTTACACTGCCAGGCTCTGCAAGATTTAGCCCCAGCTAAGAAGAGTGGGG
 TGCTGGGACTCTGCGACACATACCTCTGCATGAGCTCTGGGGTCGAGGCTAGCCAGAGGACTCCAT
 TCATGGCTTGAGAGCTTTTCTGTGGCATCACTCAGCGTCCTCAGAACCTGGTGTGCCACAGTGGGGCA
 GTTGTCTGCCTGTTACTGTGAGGATGGGGACAGAAGCTGCCGCCAGGGAAGGAACTTGGTCCAGACTT
 GTGCAGATAACCTCAGCCTCCAGGGAGGATGCTCATGACCAAGACCAGCACCCACTGCTAAAGATGCT
 TCTTCAGCTGATGGCTTCTCTCTGCAGCATCAGGTTCTCTGTGTGTTCCCGGTGTTGCCACAGTGCC
 TCGGCTCAGCGCTGCCGCTGCCCTGTGTCTCTGGCTGTTGAGCTGCTCTGTGCTGCTGGACCATGA
 CAGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC078458

Insert Size: 1758 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:

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: [BC078458](#), [AAH78458](#)

RefSeq Size: 2462 bp

RefSeq ORF: 1757 bp

Locus ID: 235610

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]