

Product datasheet for **MC200012**

2410042D21Rik (BC003216) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2410042D21Rik (BC003216) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	2410042D21Rik
Synonyms:	2410042D21Rik; AA166487; AA473307; AI467442
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003216
 GTGAGTGGGGCCCGGCTGGGGATCCGAGGGACGCTCCGAGCTGCCGGGAGCGGTTTCATCAGCACAGTGGC
 TGAGCTTGGGCGCTGCGGTACCATGAGGCGCCGGCACTTAAGAGATTATGGCATTGATACTCACCATGT
 TAAAAACGGAACCTCTCTAATAGTATTGATCTTCTAGAAAAGAGGATCTCTAACTTCACCAGTAAGAAC
 ATGAAGGAGGTTAAGAGATCTCCAAAACAGTTGGCTGTACATAAGTAGAACAGTTGCACAGGCAGTGA
 AAAGCCAGAAAACTGCGCAAGGTGCTCTACCACAGAAAAGTTAGTTCGTCGTTCCCTTCCCAAATCCTTG
 TTACAAAACCTAAGCAGTCCCAAAAAGTGGGGCTGTGACATGGCAAATAAAGAAAATGAAGTGGTTGT
 GCAGGCCATCTACTGAAAATTTACGCCACGACAGTCGGACATTTGTCATTAATACCAGTATTCTGGGT
 CTTACAGACAGAAAGCCATCATCAAAAATATAGTGGTTTCTTTTCTGAAAGTTTCTCAGGACCATGAGAC
 AATGGCCAGGTTCTATTGAGCAGGAATTTGAGATTGAATGTAGCTTTGACTTTCTGGAGAAAGAGAAGT
 ATAAGTGAACCTGTAGCTATTTAGTGAGGATAGAAGACCTTGGAGTTGTGGTAGATTGCCTTCTGTTT
 TAACCAATAGTTTACAGGAAGAAAAGCAGTATATCTCACTTGGCTGCTGTGTAGACTTACTTCTCTGGT
 AAAGTCTTACTTCAAAGCAGATTTGAAGAATATGTAATGTTGGTTTAACTGGCTTCAAGCAGTAATA
 AAAAGGTGGTGGTCAGAACTCTCATCTACGTCAGAAAATAAAGTATGGAATATTAAGATTTTAAAGC
 AACAGTTGAGTGGACTATGGGAACAGGAAAGCCATCTTACTTTGGTTCCAGGATATACTGGTAATATAGC
 TAAGGATGTAGATGCTTATTTATTACAGCTGCATTGAAAAGATTTATCTTATAAAGATTTGAGTATTCAG
 ACAGCGCTGGATTCTATGATTTCCAAAAGGAGGCTCTCTCCTGAGAACCGAGAGCTGTGGAAGAAATAAAA
 CCAATTTTTTCTTTTAAAAAGCCACATAATAAAACCACTAATGAAATCCTAACAACTACTTTCACATTG
 AAGTGGAAATATCAAGAAGGAGCGGCATCAACTTCAATGAGGTGAAAGTGCACTATGAAGACTGTTTGCC
 TTTGCTGCATTGAGAATTCAAATGACTGTTTGATAGCGTTGTTTAAAGAACTACTGGGCTTCACTCGGCC
 CTGCATAAGAATATGATTGATAGTATGCAAAAATAAGACAGGACTTATTACCAGGAACTATAAAGACCAA
 TCATTAATTTTTTATTGTGTTTTATGAAGAAACACTTAAAGTGTGTGCAGCTAATTTCTTCTGTTGGAAA
 GACTTGGAAAGTTTAAACATCATAGTAAGTAATATTAATAATTTTGTCCACACTGATACTGTGTACAA
 ATGCCTTAATTTATGATAAGCCAATATGTTATAATACCAATATCTTTTTTAAAAAATTAAGCAACCA
 TGCTCTGGCATGATAAATCATGGAATTAATCAGGGTTTACATTCATGTAGAATGTTGTTGAAATATA
 TTCGACACCATTTTTTAAACTGAGAAATTTTTAGCATCTCTGATTCTTTTTTGCAGAACTTCATGTT
 ATGTTTGTATGTATGTATTCTTATATAAAGAAAAAGGTGAATATGATTTGTATGAATGTTTAACT
 GGAAATGTCCATGGAGTTGGCTAATTTATATTCACTTTTTATTGTATATAGAGTTCTAATATTTTCATT
 TCTGTAACATTTAACTTCTTTGAGTAAATTTACTAAATATTTCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC003216

Insert Size: 900 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: [BC003216](#), [AAH03216](#)
RefSeq Size: 1954 bp
RefSeq ORF: 900 bp
Locus ID: 72425
Cytogenetics: 2 E3
Gene Summary: Regulates microtubule-severing activity of KATNAL1 in a concentration-dependent manner in vitro.[UniProtKB/Swiss-Prot Function]