

Product datasheet for **MC203807**

Riok2 (NM_025934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Riok2 (NM_025934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Riok2
Synonyms:	2010110K24Rik; 2410085M17Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010781
 GGAAGTGGGCAAGCATGGGGAAGGTGAATGTAGCCAAGCTTAGGTACATGAGCCGCGATGACTTCAGAGT
 TCTGACTGCGGTTGAAATGGGCATGAAAAACCATGAGATTGTTCCCTGCAGTTTGATTGCTTCTATAGCC
 AGCCTGAAACATGGTGGCTGTAATAAGATTCTAAGAGAATTGGTGAAGCATAAACTTATAGCGTGGGAAC
 GTACTAAAACGTGCAGGGCTATCGGTTGACAAATGCTGGCTATGATTACCTAGCTCTGAAAACGCTGTC
 TTCTAGACAGGTAGTTGAATCTGTTGAAAACAGATGGGTGTGGCAAAGAGTCAGACATTTACATTGTT
 GCCAATGAAGCCGGGCAGCAGCTCGCACTGAAGCTCCACAGACTGGGAAGAACTTCCTTTGAAAATCTGA
 AAAACAAGCGCGATTACCACAAGCACAGGCACAATGTTTCTTGGCTTTACTTATCTCGGCTCTCGGCCAT
 GAAGGAATTTGCCTATATGAAGGCATTATATGAGAGGAAATTTCCAGTTCCAAAGCCAATTGATTATAAT
 CGCCATGCAGTGATCATGGAGCTTATTAATGGTTATCCCCTATGTGAGATACATCATGTTGAAGACCCTG
 CATCAGTATATGATGAAGCTATGGAAGCTAGTCAAACCTGGGAAACCATGGACTGATTCATGGAGATTT
 CAATGAATTCATCTCATGTTGGACAAAGATGACCACATCACCATGATTGATTTTCCGCAGATGGTTTCC
 ACATCCCACCAAATGCTGAATGGTATTTTGACAGAGATGTTAAATGCATTGAGAGTTCCTCATGAAAC
 GTTTTAGCTATGAAAGTGAGCTCTACCCAACCTTCAGTGATATCAGGAAGGAGGATTCTCTTGATGTTGA
 GGTCTCTGCCAGTGGTTACACAAAGGAAATGCAAGCAGATGATGAACTGTACATCCAGTAGGCCAGAT
 GATAAAATTAAGTAAACAGAAAGGAGGACTCTGACTTCACGTTTTCTGATGAAGAAATGTTAGAAAAAGCCA
 AAGTTTGGAGGTGAGAATTGAAAAGGAAGCAGACCCAGCAGATGAATCAGGTGGATCCTGGTGCTGCTT
 GTCTACAGACAGCAAACAATAAAGGATGACAGCTTACCAGAGGAGAGTGCTCATGTGTCCAGTTTCGAA
 GTGACGGCATTAAAGCCAAGCTGTAGAAGACATGGAAAGGCAGGTTCTTCCCACAGGTCGGTTACTGAGT
 TCTCTGAGGAGAGCAGGAGAAGTAAATGATGGGCAGCCAGGTGAGAGAAGCCCTGCTGGCTCTGAGGA
 CTGTGACGATGAACCCCCCATCTGATTGCCTTGTCATCAGTGAACAGGGAGTTCAGGCCCTTTCAGAGAC
 GAAGAGAGTATGAGTAGTGTACTCGGCATAGAACAAGAACATTGAGTGTACGCTCGGGGCAGTGCC
 TAAGCTGTTCAACAATCCCTCCAGAAGTGGTGAAGCAGAAGGTGAAGCGTCAGCTGACGAGGCAGAGAA
 GGCGGCTGCCAGACGCCGCTGCAGAAAGGAGAAGCCAATGTGTTTACCAGCAGCGGAGGGGAAAACATG
 CAGAATATTAATCGAGTTTGAAGCAGCCAGCTTTTGGGGAGACTAATAGATTTCTGATATGATTATT
 TTTTGTAGTCTATAATTTTATTTTGTAGCCAGTATATTGGTCTTTTGGACCAAAGCCAGTAAATTATG
 GAAATAAAGCCTCTTAGACTCAGAGCTTCCAAGGTCTGATTAATAGTAAATCTGCCAAGCACTCTGTTT
 CTTAAATTTTTCAGGTAACATAATTTAATAATAAAATAACGTGTGAAAAAACTTCATTGGCAGTAATTG
 CAAAACATGGACATCATTTTTTCTACTGTGATGTTCCAGACTCTGCCTTAAACAGGTAGAAAACACTGACT
 TGCCCTCAGATCCTGGATTTACATGTAATAAATAATAGAACAACCTAAAAAAAAAAAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_025934

Insert Size: 1644 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: [BC010781](#), [AAH10781](#)

RefSeq Size: 2032 bp

RefSeq ORF: 1644 bp

Locus ID: 67045

UniProt ID: [Q9CQS5](#)

Cytogenetics: 17 A3.1

Gene Summary: Serine/threonine-protein kinase involved in the final steps of cytoplasmic maturation of the 40S ribosomal subunit. Involved in export of the 40S pre-ribosome particles (pre-40S) from the nucleus to the cytoplasm. Its kinase activity is required for the release of NOB1, PNO1 and LTV1 from the late pre-40S and the processing of 18S-E pre-rRNA to the mature 18S rRNA. May regulate the timing of the metaphase-anaphase transition during mitotic progression, and its phosphorylation, may regulates this function.[UniProtKB/Swiss-Prot Function]