

Product datasheet for **MR208712**

Riok2 (NM_025934) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Riok2 (NM_025934) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Riok2
Synonyms:	2010110K24Rik; 2410085M17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208712 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAAGGTGAATGTAGCCAAGCTTAGTACATGAGCCGCGATGACTTCAGAGTTCTGACTGCGGTTG
 AAATGGGCATGAAAAACCATGAGATTGTTCCCTGCAGTTTGATTGCTTCTATAGCCAGCCTGAAACATGG
 TGGCTGTAATAAGATTCTAAGAGAAATTGGTGAAGCATAAACTTATAGCGTGGGAACGTAATAAACTGTG
 CAGGGCTATCGGTTGACAAATGCTGGCTATGATTACCTAGCTCTGAAAACGCTGTCTTCTAGACAGGTAG
 TTGAATCTGTTGGAAACAGATGGGTGTGGCAAAGAGTCAGACATTTACATTGTTGCCAATGAAGCCGG
 GCAGCAGCTCGCACTGAAGCTCCACAGACTGGGAAGAATTCTTTTGAATCTGAAAAACAAGCGCGAT
 TACCACAAGCACAGGCACAATGTTTCTGGCTTACTTATCTCGGCTCTCGGCCATGAAGGAATTTGCCT
 ATATGAAGGCATTATATGAGAGGAAATTTCCAGTTCCAAAGCCAATTGATTATAATCGCCATGCAGTGAT
 CATGGAGCTTATTAATGGTTATCCCTATGTCAGATACATCATGTTGAAGACCCTGCATCAGTATATGAT
 GAAGCTATGGAACGATAGTCAAACCTGGAAACCATGGACTGATTCATGGAGATTTCAATGAATCAATC
 TCATGTTGGACAAGATGACCACATCACCATGATTGATTTCCGAGATGGTTTCCACATCCCACCCAAA
 TGCTGAATGGTATTTTGACAGAGATGTTAAATGCATTGAGAGTTCTTATGAAACGTTTGTAGTATGAA
 AGTGAGCTCTACCAACCTTCAGTGATATCAGGAAGGAGGATTCTCTTGTGTTGAGGTCTCTGCCAGTG
 GTTACACAAGGAAATGCAAGCAGATGATGAACTGCTACATCCAGTAGGCCCAGATGATAAAATTAAGTGA
 AACAGAAGAGGACTCTGACTTACGTTTTCTGTGAAGAAATGTTAGAAAAAGCCAAAGTTTGGAGGTCA
 GAATTTGGAAAAGGAAGCAGACCCAGCAGATGAATCAGGTGGATCCTGGTGCTGCTTGTCTACAGACAGCA
 AACAAATAAAGGATGACAGCTTACCAGAGGAGAGTGCTCATGTGTCAGTTTTCGAAGTGACGGCATTAAAG
 CCAAGCTGTAGAAGACATGGAAAAGGCAGGTTCTTCCCCACAGGTCGGTTACTGAGTTCTCTGAGGAGAGC
 AGGAGAAGTGAATGATGGGCAGCCAGGTGAGAGAAGCCCTGCTGGCTCTGAGGACTGTGACGATGAAC
 CCCCCATCTGATTGCCTTGTCATCAGTGAACAGGGAGTTGAGGCCTTTCAGAGACGAAGAGAGTATGAG
 TAGTGTTACTCGGCATAGAACAAGAACATTGAGTGTACGTCTGCGGGCAGTGCCCTAAGCTGTTCAACA
 ATCCCTCCAGAACTGGTGAAGCAGAAGGTGAAGCGTCAGCTGACGAGGCAGCAGAAGGGCGCTGCCAGAC
 GCCGGTGCAGAAAGGAGAAGCCAATGTGTTTACCAAGCAGCGGAGGGAAAACATGCAGAATATTAATC
 GAGTTTGAAGCAGCCAGCTTTTGGGGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208712 protein sequence
 Red=Cloning site Green=Tags(s)

MKVNVAKLRYMSRDDFRVLTAVEMGMKNHEIVPCSLIASIASLKHGGCNKILRELVKHKLIWERTKTV
 QGYRLTNAGYDYLALKTLSSRQVVESVGNQMGVKGESDIYIVANEAGQLALKLHRLGRSFRNLKMKRD
 YHKHRHNVSWLYLSRLSAMKEFAYMKALYERKFPVPKPIDYNRHAVIMELINGYPLCQIHHVEDPASVYD
 EAMELIVKLGHNHGLIHGDFNEFNLMLDKDDHITMIDFPQMVSTSHPNAEWYFDRDVKCIREFFMKRFSEY
 SELYPTFSDIRKEDSLDVEVSASGYTKEMQADDELLHPVGPDDKITETEEDSDFTSDEEMLEKAKVWRS
 ELEKEADPADESGGSWCCLSTDSKQIKDDSLPEESAHVSSFVETALSQAVEDMERQVLPHRSVTEFSEES
 RRTENDGQPQRSPAGSEDCDEPPLIALSSVNREFRPFDEESMSSVTRHRRTL SVTSAGSALSCST
 IPPELVKQVKRQLTRQQKAAARRRLQKGEANVFTKQRRENMQNIKSSLEAASFWD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

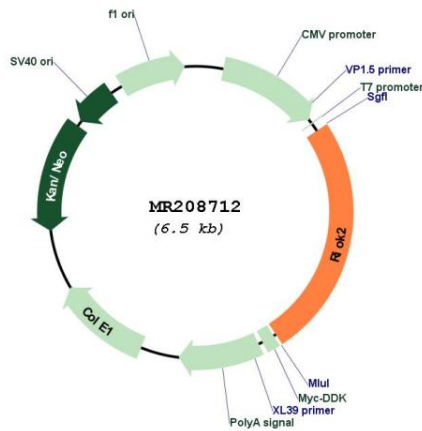
Sgfl-MluI

Cytogenetics: 17 A3.1

MW: 62.6 kDa

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]

Product images:



Circular map for MR208712