

## Product datasheet for **RR201272**

### **Riok3 (NM\_001108423) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Riok3 (NM_001108423) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Riok3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201272 representing NM\_001108423  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCTGGTCGGAGTGTCTTACCTGAACCCGGGCCCGCAGCAGCTTGGGGACCCAGTAAAGTGCCCAT  
 GGGCTACCCTCAAACACAGTATCCTGTTCACTGGCGGAGGTGATGAGTGAAGAACTGGCCAAAGAGCT  
 GCAGTTGGAAGAAGAAGCAGCTGCTTCCCTGAAGCTGTCGTTGCTGAAGGACCGTTTATTTCTGGAGAA  
 AACATGGACACTTCCAGTGACCTGATGCTGGCTCAGATGCTACAGATGGAATTTGACAGAGAATACGATG  
 CACAGCTTAGGCGTGAAGAAAAGAAGTTCAACGGTGACAGCAAAGTTTCCATTTCAATTTGAAAACTATCG  
 GAAAGTTCATCCCTTTGAAGACAGTGACAGCTCTGAGGACGAGGTTGACTGGCAGGACACTCGCGACGAT  
 CCCTACAGACCAGCAAAGCCAGTTCCTACTCCAAAAAGGGTTTTATTGGAAAAGGAAAAGACATCACAA  
 CTAAGCATGATGAAGTAGTATGTGGAAGAAAGAACACAGCAAGAATGGAAAACCTTGCACCTGGCTTTCA  
 GGTGGAGATGGAATTGGAATGGATTTAAAACATCCAACCACGTTTTTAAATGCTTTAAAAACAACATGCC  
 TACTCGGAAGAACGTCGAAGTGCCCGTCTCCATGAGAAGAAGGAACATCCACCGCTGAAAAAGCAGTTG  
 ATCCTAAGACACGCTTACTTATGTATAAAAATGGTCAACTCTGGAATGTTGGAGACAACTACTGGCTGTAT  
 TAGTACAGGAAAGGAATCTGTTGTCTTTTCATGCATATGGAGGGAGCCTGGAGGATGAAAAGGAGGATGGT  
 AAAGTTATACCAACAGAAATGTGCCATCAAGGATTTAAAAACAACCTCTAATGAGTTCAAGAAATCGTGACA  
 AATACATTAAGATGATTTACAGTTTAAAGATCGCTTCAGTAACTAAATCCACGTAAGATCATCCGCAT  
 GTGGGCAGAGAAGGAGATGCACAATCTCACAAGAATGCAGAAGGCTGGAATTCCTGTCCAACAGTTGTA  
 CTGCTTAAAGAAGCACATTTTAGTTATGTCTTTCATTGGCCACGATCAAGTCCAGCCCCTAAATTAAGG  
 AAGTAAAGCTTAGTGAAGAAGAAATGAAAGATGCCTACCACGACTCTCACTTGAATGCAGCAGTTGTA  
 CAAGGAATGCACCCTTGTGCACGCCGACCTCAGCGAGTACAACATGCTGTGGCATGCTGGGAAGGCTGG  
 TTGATTGATGTCAGTCAGTCGGTGAACCGACCCATCCTCATGGCCTGGAGTTCTTATTCGTGACTGTA  
 GGAACGTTTACAGTTCTTCCAGAAGGGAGGAGTAAAGGAAGCCCTTAACGAGCGGGAGCTGTTCAATGC  
 TGTTTCTGGCCTGAGCATCTCAGCAGACAATGAAGCTGACTTCTTAGCTGAGATAGAAGCTTTGGAGAAA  
 ATGAACGAAGATCATGTTCAGAAGAATGGAAGGAAAGCAGCCTCGTTTCTGAAAGATGAAGGAAGTCCAC  
 CCATGCTGTATGCAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201272 representing NM\_001108423  
 Red=Cloning site Green=Tags(s)

MDLVGVSSPEPGPAAAWGPSKCPWATPQNTVSCSLAEVMSEELAKELQLEEEAAAFPEAVVAEGPFI SGE  
 NMDTSSDLMLAQMLQMEFDREYDAQLRREEKFNKNGSKVSI SFENYRKVHPFEDSDSSEDEVDWQDTRDD  
 PYRPAKPVPTPKKGF IGKGDITTKHDEVVCGRKN TARMENFAPGFQVGDGIGMDLKL SNHVFNALKQHA  
 YSEERRSARLHEKKEHSTAEKAVDPKTRLLMYKMNVS GMLETITGCI STGKESVVFHAYGG SLEDEKEDG  
 KVIPTCAIKVFKTTLNEFKNRDKYIKDDFRFKDRF SKLNPRK IIRMWAEKEMHNL TRMQKAGIPCPTVV  
 LLKKHILVMSF IGHDQVPAPKLKEVKLSEEEMKDAYHQTLHLMQQLYKECTL VHADLSEYNMLWHAGKVV  
 LIDVSQSVEPTPHGLEFLFRDCRNVSQFFQKGGVKEALNERELFNAVSGLSISADNEADFLAEIEALEK  
 MNEDHVQKNGRKAASFLKDEGSPPLYAE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

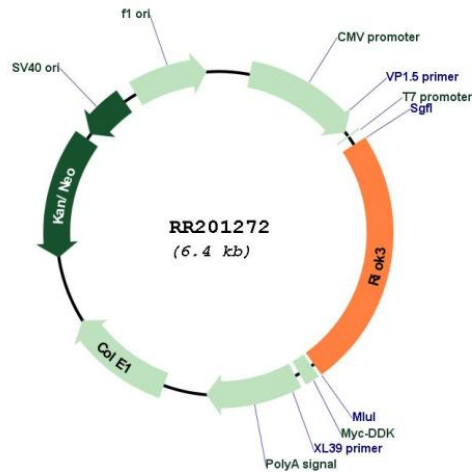
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


<b>ACCN:</b>	NM_001108423
<b>ORF Size:</b>	1557 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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:** [NM\\_001108423.1](#), [NP\\_001101893.1](#)

**RefSeq Size:** 3843 bp

**RefSeq ORF:** 1560 bp

**Locus ID:** 361293

**Cytogenetics:** 18p13

**MW:** 58.8 kDa