

Product datasheet for **RR216922**

Riok1 (NM_001100511) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Riok1 (NM_001100511) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Riok1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR216922 representing NM_001100511
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTGCAGTCTGGATAGGATGGCCACGGTGGTCCCCGGCAATTTGACGACGCGGATTCCTCAGACA
 GTGAAGACAAAGAAGTGCAGTCAATCCAAGCAAAGACGACATTCTACTTAAAAACCTTCAGAATGATGC
 AGCAGAGGTGAAGGGCGAAGATGAGATTGAGGAGGAAGACAGCTATGATTATGACAGTACTGGTACTTG
 GACGACTCGACTGGAAAACACCAAGGTTGGACCTGGAATGGCAGCAGTAACCATCAGGCAAATCGAC
 AGACTTCTAACTACAATTCAGCCAAAATGTCTACTCCAATTGACAAGTCTTTGCGAAAATTTGAAAAATA
 GATCAATCTAAGTAAGCTGAATGTTACTGATTCTGTCATAAAATAAAGTACCCTAAAATTTAGACAAAAA
 GAAGCAGAATCGTATCGCATTAAAGACAAGGCCGACAGCAACTGTAGAACAGGTTTTGGATCCAGAA
 CAAGGATGATTTTATTCAAGTTGTTGCATAAAGAGCACATATCAGAGATACATGGCTGCATCAGTACTGG
 AAAAGAAGCTAATGTATACTATGCTAGCACACCCAGTGGAGAGCAGAGCAATCAAATATACAAAAC
 TCTATTTTGATGTTCAAAGATCGTGATAAGTATGTGACTGGGGAGTTCAGTTCCGCCGTGGCTATTGCA
 AAGGAAAACCTAGAAAAATGGTGAAGACGTGGGCAGAGAAGGAGATGAGGAAATTTGTCCAGGTTAAGAAC
 AGCAAACATACCATGCCAGAACCAATCAGGCTAAGAAGTCAATGTTCTCCTCATGAGCTTCATTGGCAAG
 GATGACATGCCTGCACCACTTTTGAAAAATGTCCAGTTGTGAGAATCCAAGGCACGGGAGCTGTACTGC
 AGGTCATTCAGTACATGAGGAAAATGTATCAGGATGCCAGACTTGTCCATGCAGATCTCAGTGAATTC
 CATGCTGTACCATGGTGGAGATGTATATCATTGATGTTTCTCAGTCTGTGGAGCATGACCACCCACAT
 GCATTGGAGTTCTTGAGAAAAGACTGTGCCAATGTCAATGATTTCTTTTCAAGCATGCTGTTGCTGTA
 TGACTGTGAAGGAGCTTTCGAGTTCGTACGGATCCCTCCATCACCTTGAGAACATAGATGCTTATTT
 GGAAAAGGCTATGGAAATAGCATCTCAGAGGACCATGGAAGAAAAGACTAGCCAAGATCATGTGGATGAA
 GAGGTGTTCAAACAAGCATATATTTCCAGAACCTTAAATGAAGTAAAGAATTATGAGAGAGATGTGGACA
 TAATGATGAGGTTAAAGGAAGAGGACATGGCTTTGAACACTCAGCAGGACAATATTCTATACCAAGTGT
 CACAGGACTGAAAAAGATTTGTGAGGAGTCCAGAAGTCCCTGCGCTCTAGAAAGTGAAGTTAAGGAA
 GAGACTGTTTTGATTGAGCAGTGTGGGAGCTCTGAGTGTCTGACACAGACCCTGAAGAGCAGGGAG
 ATCAAGCCGGATGCCAAAACCACTACTGCTGACCCTGACGTTGATAAAAAGGAAAGAAAAAGATGGTCAA
 GGAAGCCAGAGAGAAGAGAAAAAATAAATCCCTAAACACGTGAAAAAAGAAAGAAAAAACAGCC
 AAGGCCAAAAAGGGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216922 representing NM_001100511
 Red=Cloning site Green=Tags(s)

MDCSLDRMATVVPQFDDADSSDSEDKVQSIQAKDDILLKNLQNDAAEVKGEDEIEEEDSYDYDSWYL
 DDSTGKLTGWWTWNGSSNHQANRQTSNYNSAKMSTPIDKSLRKFENKINLSKLNVTDSVINKVTVKLRQK
 EAESYRIKDKADRATVEQVLDPRTRMILFKLLHKEHISEIHGCI STGKEANVYYASTPSGESRAIKIYKT
 SILMFKDRDKYVTGEFRFRGYCKGNPRKMVKTWAEKEMRNL SRLRTANIPCPEPIRLRSHVLLMSFIGK
 DDMPAPLLKNVQLSESKARELYLQVIQYMRMYQDARLVHADLSEFNMLYHGGDVYIIDVSQSVEHDHPH
 ALEFLRKDCANVNDFFKHAVAVMTVKELFEFVTDPSITLENIDAYLEKAMEIASQRTMEEKTSQDHVDE
 EVFKQAYIPRTLNEVKNYERDVIDMMRLKEEDMALNTQQDNILYQTVTGLKKDL SGVQKVPALLESEVKE
 ETCFDSDDAGSSECSDTDPEEQGDQAGCQNHTADPDVDK KERKKMVKEAQREKRKNKIPKHVKKRKEKTA
 KAKKGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001100511

ORF Size: 1698 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001100511.1](#), [NP_001093981.1](#)

RefSeq Size: 2085 bp

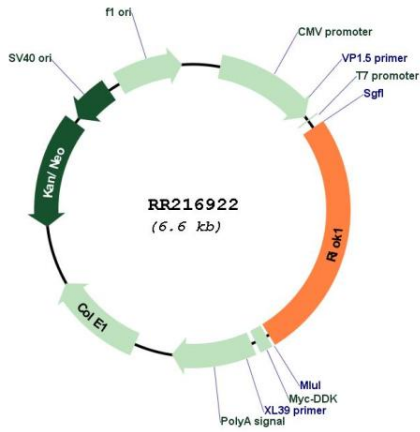
RefSeq ORF: 1701 bp

Locus ID: 291061

Cytogenetics: 17p12

MW: 65.2 kDa

Product images:



Circular map for RR216922