

## Product datasheet for **MR210650**

### Ripk4 (NM\_023663) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ripk4 (NM_023663) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ripk4
Synonyms:	2310069J12Rik; AI552420; ANKK2; Ankrd3; DIk; PKK; RIP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210650 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGGCGAGGGCCGGGGCCGGTGGGCTCTGGGCTGCTGCGCACCTTCGACGCCGGCAATTTCGCAG  
GCTGGGAGAAGGTGGGCTCGGGCCGGCTTCGGGCAGGTGTACAAGGTGCGCCATGTGCACTGGAAGACGTG  
GCTCGCGATCAAGTGCTCGCCAGTCTGCACGTGACGACAGGGAACGAATGGAGCTCCTGGAGGAAGCT  
AAGAAGATGGAGATGGCCAAGTTCGATACATTCTACCTGTGTACGGCATATGCCAGGAACCTGTGCGCT  
TGGTCATGGAGTACATGGAGACAGGCTCCCTGGAGAAGCTGCTGGCCTCAGAGCCATTGCCTTGGGACCT  
GCGCTTTCGCATCGTGCACGAGACAGCCGTGGGCATGAACTTCTGCATTGCATGTCTCCGCCACTGCTG  
CACCTAGACCTGAAGCCAGCGAACATCCTGCTGGATGCCACTACCATGTCAAGATTTCTGACTTTGGGC  
TGGCCAAGTGAATGGCATGTCCACTCTCATGACCTCAGCATGGATGGCCTGTTTGGTACAATCGCTTA  
CCTCCCTCCAGAGCGAATTCGTGAGAAGAGCCGCTTGTGGACACAAACATGATGTATACAGCTTCGCC  
ATTGTGATCTGGGGTGTGCTTACACAGAAGAAGCCATTTGCAGATGAAAAGAACATCCTACACATCATGA  
TGAAAGTGGTAAAGGGCCACCGCCAGAGCTGCCACCCATCTGCAGACCCCGGCCGCGTGCCTGTGCCAG  
CCTGATAGGGCTCATGCAACGGTGTGGCATGCAGACCCACAGGTGCGGCCACCTTCCAAGAAATTACC  
TCTGAAACAGAAGACCTTGTGAGAAGCCTGATGAGGAGGTGAAAGACCTGGCTCATGAGCCAGGCGAGA  
AAAGCTCTCTAGAGTCCAAGAGTGAAGCCAGGCCCCGAGTCTCACGCCTCAAGCGCGCCTCTGCTCCCC  
CTTCGATAACGACTGCAGTCTCTCCGAGTTGCTGTACAGTTGGACTCTGGGATCTCCAGACTCTTGAA  
GGCCCCGAAGAGCTCAGCCGAAGTTCCTCTGAATGCAAGCTCCCATCGTCCAGCAGTGGCAAGAGGCTCT  
CGGGGTGTCTCAGTGGACTCAGCCTTTCTCCAGAGGATCGTGTCACTGTCTTTTGAAGCGGGAAGC  
TTCAACAGGCGACCTGGGCCCCACAGACATCCAGAAGAAGAAGCTAGTGGATGCCATCATATCAGGGGAC  
ACCAGCAGGCTGATGAAGATCCTACAGCCCAAGATGTGGACTTGGTTCTAGACAGCAGTGCCAGCCTGC  
TGCACCTGGTGTGGAGGCCGACAGGAGGAGTGTGCAAGTGGCTGCTGCTTAAACAATGCCAACCCCAA  
CCTGACCAACAGGAAGGGCTCTACACCACTGCATATGGCTGTGGAGCGGAAGGGACGTGGAATTGTGGAG  
CTACTGTAGCCCGAAGACCAGTGTCAATGCCAAGGATGAAGACCAGTGGACTGCCCTGCACCTTTCAG  
CCCAGAATGGGGATGAGGCCAGCACAAGGCTGCTGCTAGAGAAGAATGCTTCTGTCAATGAGGTGGACTT  
TGAGGGCCGAACCCCATGCATGTAGCCTGCCAGCATGGACAGGAGAACATTGTGCGCACCTGCTCCGC  
CGTGGTGTGGATGTGGGCTGCAGGGAAGGATGCCTGGTGCCTTGCCTTGCCTATGCTGCCTGGCAGGGCC  
ACCTTCCCATTTAAGCTGCTAGCCAAGCAGCCTGGGGTGAAGTGAATGCCAGACACTAGACGGGAG  
GACACCCCTGCACCTGGCTGCTCAGAGGGGGCATTACCGTGTGGCTCGCATTCTCATTGACCTGTGCTCT  
GATGTTAACATCTGCAGCCTACAGGCACAGACCTCTGCATGTTGCTGCAGAGACTGGACACACTAGTA  
CTGCCAGGCTACTTTCATCGTGGTGTGGCAAGGAGGCTTTGACCTCAGAGGGCTATACTGCCTTGC  
CCTGGCAGCCCAGAATGGACACCTGGCTACTGTCAAGTGTCTCATAGAGGAGAAGGCTGATGTGATGGCT  
CGGGTCCCCTGAATCAGACAGCACTGCACCTGGCTGCTGCCGTGGACACTCAGAGGTGGTGAAGAGC  
TGGTCAGTGTGACCTCATTGACCTGTCTGATGAGCAGGGCCTCAGCGCACTGCACCTGGCTGCTCAGG  
CAGGCATTCACAGACTGTGGAGACACTGCTCAAACATGGAGCACACATCAACTTGCAGAGTCTCAAGTTC  
CAAGGAGGCCAGAGCTCTGCTGCCACGTTGCTCCGACGCAGCAAGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

&gt;MR210650 protein sequence

Red=Cloning site Green=Tags(s)

MEGEGRGRWALGLLRTFDAGEFAGWEKVGSGFGQVYKVRHVHWKTWLAIKCSPSLHVDDRRMELLEEA  
KKMEMAKFRYILPVYIGICQEPVGLVMEYMETGSLEKLLASELPWDLRFRIVHETAVGMNFLHCMSPELL  
HLDLKPANILLDAHYYVKISDFGLAKCNGMSSHDLMDGLFGTIAYLPPERIREKSRLFDTKHDVYSFA  
IVIWGLVLTQKKPFADEKNILHIMMKVVKGHRPELPPICRPRPRACASLIGLMQRCWHADPQVRPTFQEIT  
SETEDLCEKPDEEVKDLAHEPGEKSSLESKSEARPESSRLKRASAPPFDNDCSSELLSQLDSGISQTFE  
GPEELSRSSSECKLPSSSSGKRLSGVSSVDSAFSSRGSLSLSFEREASTGDLGPTDIQKKKLVDAIISGD  
TSRLMKILQPQDVLVLDSSASLLHLAVEAGQEECVKWLNNANPNLTNRKGSTPLHMAVERKGRGIVE  
LLLARKTSVNAKDEDQWTALHFAAQNGDEASTRLLLEKNASVNEVDFEGRTPMHVACQHQQENIVRTLLR  
RGVDVGLQGKDAWLPLHYAAWQGHLPVIVKLLAKQPGVSVNAQTLTGRTPLHLAAQRGHYRVARILIDLCS  
DVNICSLQAQTPLVHAAETGHTSTARLLLHRGAGKEALTSEGYTALHLAAQNGHLATVKLLIEEKADVMA  
RGPLNQTALHLAAARGHSEVVEELVSADLIDLSDQGLSALHLAAQGRHSQTVETLLKHGAHINLQSLKF  
QGGQSSAATLLRRSKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-MluI



**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\\_023663.7](#)

**RefSeq Size:** 3550 bp

**RefSeq ORF:** 2361 bp

**Locus ID:** 72388

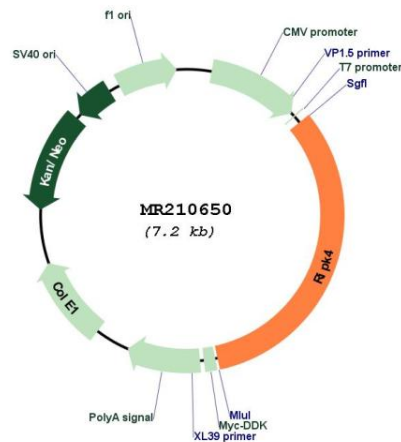
**UniProt ID:** [Q9ERK0](#)

**Cytogenetics:** 16 C4

**MW:** 86.6 kDa

**Gene Summary:** Involved in stratified epithelial development (By similarity). It is a direct transcriptional target of TP63. Plays a role in NF-kappa-B activation.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR210650