

## Product datasheet for **RR205052**

### Ckap4 (NM\_001108740) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ckap4 (NM_001108740) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ckap4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205052 representing NM_001108740 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTGCCTCCTTGAAGAATCCAAGGGGGACCGCAGTCAGGACGTGAAAGTCTGAAGGAAGCCG  
TGAAGGAGGTGCAGGCCCTCCATGAAGTCTCGAGAGAGGGACATCGAGGCCCTCAAGAGTTCCTTCAGAC  
CATGGAGTCCGATGTCTACACAGAGTCCGGGAGCTAGTGAGCCTGAAGCAGGAGCAGCAGGCATTCAAG  
CAGGCGGCCGACTCAGAGCGCCTGGCTCTGCAGGCCCTCACGGAGAAGCTTCTGCAGTCCGAAGAGTCTC  
CCTCTCGTCTCCAGAGGACATCAGGAGACTGGAGGAAGAGCTGCAGCAGCTGAAGGTGGGAGCCACGG  
GTCAGAGGAGGCCGTGGTCTTCAGAGACTCGAAAGCCTTCGACGAACTCCAGAAGCAGATGGAGGGCCTA  
GGCGCCAGGCTCCAGTATGTAGAGGACGGGTCTACTCGATGCAGGTGGCTTCTGCGAGCCACACTGAGA  
GCCTGGAGTCGCTCCTGTCCAAGAGCCAGGAGTACGAGCAACGCCTGGCCATGCTGCAGGAGCACGTAGA  
AAGCCTGGGGCTATCTCTGACCTGGCCAGCACGGTGAGGAGCCTGGAGGAGACCCAGCTGGCGCTCTCC  
AGCGACTTGAAGGGCTGAAGCAAGCTTGGGTGAGCTGCCAGGGACTGTGGAGTCGCTGCAGGAGCAAG  
TGCAATTTGCTGCTCAGCCAGGACCCAGCCAGGCCGCGGGCTTGCTCCTCAGGACTTCTGGATAGACT  
CTCCTCTCTAGACAACCTGAAATCCTCAGTAAGCCAAGTGAATCAGACTTGAAAATGCTCAGGACGGCT  
GTGGACAGTTTGGTTGCCTACTCTGTTAAAATCGAAACGAAACGAGAATAGCTTAGAGTCCGCCAAGGGCC  
TGCTGGACGACCTTCGGAATGATCTGGATAGGTTGTCGTGAAAGTCGAGAAGATCCATGAAAAGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

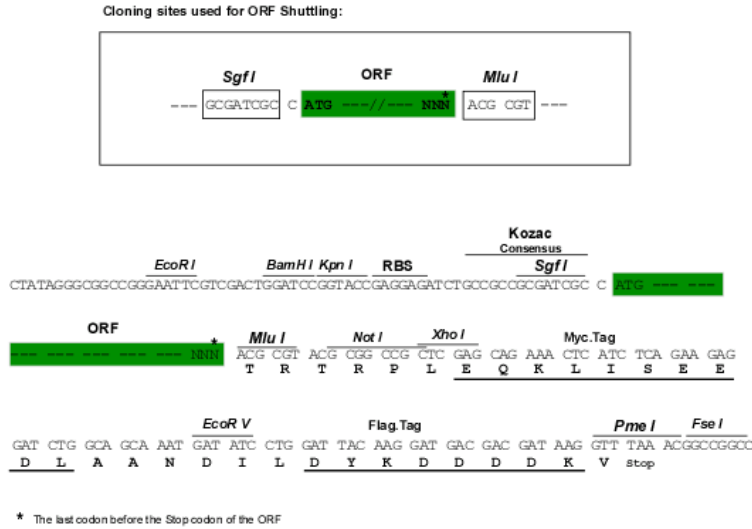
**Protein Sequence:** >RR205052 representing NM\_001108740  
 Red=Cloning site Green=Tags(s)

MKVASLEESKGDERSQDVKVLKEAVKEVQASMSRERDIEALKSSLQTMESDVYTEVRELVSLKQEQQAFK  
 QAADSERLALQALTEKLLQSEESSRLLPEDIRRLLEEELQQLKVGAGHSEEAVVFRDSKAFDELQKQMEGL  
 GARLQYVEDGVYSMQVASASHTESLESLLSKSQEYEQRLAMLQEHVESLGPISDLASTVRSLEETQLALS  
 SDLKGLKQGLGELPGTVESLQEQVHLLLSQDPAQAAGLPPQDFLDRLSSLDNLKSSVSQVESDLKMLRTA  
 VDSLVAYSVKIETNENSLESAGLLDDLRLDLRFLVKVEKIHEKI

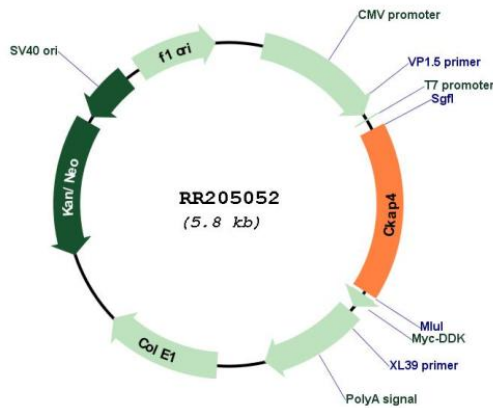
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108740

<b>ORF Size:</b>	978 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001108740.1</a> , <a href="#">NP_001102210.1</a>
<b>RefSeq Size:</b>	2548 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	362859
<b>Cytogenetics:</b>	7q13
<b>MW:</b>	36.3 kDa