

## Product datasheet for **RR201396**

### **Acap3 (NM\_001107999) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acap3 (NM_001107999) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acap3
Synonyms:	Centb5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201396 representing NM\_001107999  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGCTATCTCTTTAAGAGAGCCAGCAATGCCTTCAAGACCTGGAACCGACGATGGTTCTCCATTC  
 AGAACAGCCAGCTGGTCTACCAGAAAAACTCAAGGATGCACTGACTGTGGTGGTAGATGACCTACGCCT  
 ATGCTCTGTGAAGCCATGTGAGGACATCGAACGGAGGTTCTGCTTTGAAGTTGTGTCACCTACCAAGAGC  
 TGTATGCTGCAGGCTGACTCGGAGAAGCTGCGACAGGCTTGGGTTCAAGCTGTGCAGGCTAGCATTGCCT  
 CTGCCTACCGGGAGAGTCCAGATAGCTGCTACAGTGAGAGGCTGGACCGCACAGCATCACCATCAACAAG  
 CAGCATTGATTCCACCACGGACTCTCGGGAGCGTGGAGTCAAGGGCGAGAGCGTGTGCAGCGAGTGCAG  
 AGTGTGGCTGGTAACAGCCAGTGTGGCGACTGTGGCCAGCCAGATCCCCGCTGGGCCAGCATCAACCTGG  
 GTGTGCTGCTCTGTATTGAGTGTCTCAGGCATCCACAGGAGCTTGGGTGTCCACTGCTCTAAGGTACGATC  
 GCTTACACTGGATTCTCGGGAGCCAGAGCTGCTAAAGCTGATGTGTGAGCTTGGAAATAACACCATGAAC  
 CAGATCTATGAGGCCAGTGTGAGGGCCAGGCATTAGAAAACCCACAGCCAGTAGTTCAGGCAGGACA  
 AAGAGGCGTGGATCAAGGACAAATACGTTGAAAAGAAGTTCCTCCGGAAGTTGACTTCTGCACCAGTCCG  
 GGAACCCCAAGACGCTGGAGGGCACAGAAGTGCCAGCGCCCTCACAGCTCCCCCACGCCCCACCACC  
 CGCCGCAAGGTCGGCTTGAGCCGCTTGGCCCTCCGTCGCTGCTTTGTCTCAGCTGGCACTATGGAGC  
 GCAAGTTCGCGGAGACTCCCTCTTCTGCCCTGATGAGCTGGACTCCCTCTTCTCCTATTTTGTGACAGG  
 GGCTGTGGGGCTGGTCCACGCAGTCTAAGCAGCGACAGTGGTCTAGGAGGTAGCTCTGATGGCAGTTCG  
 GATGTTCTTGCCTTCGGACAGGCTCTGTGGTGGACAGTGTACCAGGAAGAGGGTGTGAGTCCGAGG  
 AGTCCAGCAGTGAAGTAGATGGAGAAGCGGAGGCTGGAGCTTGGCAGATGTACGTGAGTCATCCCGG  
 GCTACTGGCACATCAAGCAGCAGTACCCGTGATCTGCCGGCACTGGCTGCAGCACTGGCCATGGAGCT  
 GAAGTCAACTGGGCTGACACGGCAGATGAGGGCAAGACACCCTGGTGCAGGCTGTACTAGGGGTTCTCT  
 TGATTGTCTGTGAGTTCTCTGCAAAATGGAGCTGATGTGAACCAAAGAGACAGCCTTGGCCGGGCACC  
 ATTGCACCATGCTACACTCTTGGCCGCTACTGGCCAGGCTGTCTATTCTGAAGCGGGGGCTGACCAG  
 CATGCCCTGGACCAGGAGCAGCAGGACCCACTGACCATCGCAGTCAAGCAGCGAATGCTGACATTGTCA  
 CACTGCTTCGCCTGGCCCGCATGGCTGAGGAGATGAGAGAAGCTGAGGCACCCCTGGTCAGCCAGGCC  
 CCTGCCAGGCAGCAGTCTACCGAGCTGCAGTACCGCAGGTGCATCCAGGAGTTCATTGGCTCCACCTG  
 GAGGAAAGCGAGGAAAGC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201396 representing NM\_001107999  
 Red=Cloning site Green=Tags(s)

MEGYLFKRASNAFKTWNRRWFSIQNSQLVYQKCLKDALTVVVDLRLCSVKPCEDIERRFCFEVVSPTKS  
 CMLQADSEKLRQAWVQAVQASIASAYRESPDSCYSERLDRASPSTSSIDSTTDSRERGKVESVLQRVQ  
 SVAGNSQCGDCGQPDPRWASINLGVLLCIECSGIHRSLGVHCSKVRSLTLDWEPELLKLMCELGNNTMN  
 QIYEAQCEGPGIRKPTASSSRQDKEAWIKDKYVEKKFLRKLTSAPVREPPRRWRAQKQRPHSSPHAPT  
 RRKVRLEPVLPSVAALSSAGTMERKFRDLSLFCPDELDSLFSYFDAGAAGAPRSLSSDGLGGSSDSS  
 DVLAFTGTSVVDVTEEEGAEESSSEVDGEAEAWSLADVRELHPGLLAHQAAARTRDLPALAAALAHGA  
 EVNWADTADEGKTPLVQAVLGGSLIVCFELQNGADVNRDLSLGRAPLHHATLLGRTGQVCLFLKRGADQ  
 HALDQEQQDPLTIAVQAANADIVTLLRLARMAEMREAEAPPQPGLPGSSPTELQYRRCIQEFIGLHL  
 EESEES

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

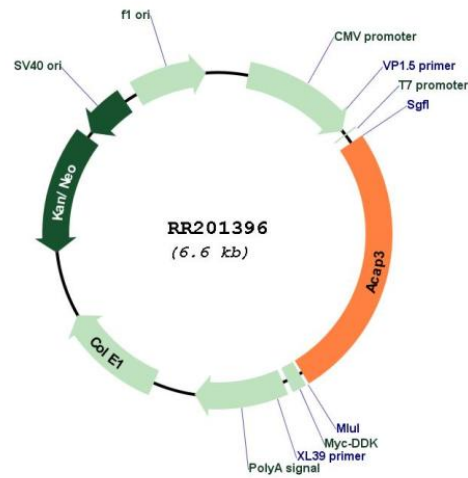
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**Plasmid Map:**



ACCN: NM\_001107999  
 ORF Size: 1689 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>	<u><a href="#">NM_001107999.1</a>, <a href="#">NP_001101469.1</a></u>
<b>RefSeq Size:</b>	4440 bp
<b>RefSeq ORF:</b>	1692 bp
<b>Locus ID:</b>	313772
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	61.6 kDa