

Product datasheet for **RR203005**

Acap1 (NM_001105796) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acap1 (NM_001105796) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acap1
Synonyms:	Centb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR203005 representing NM_001105796
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGTCAAGCTAGATTTTGAAGAATGTCTCAAGGACTCACCCCGCTCCGAGCCTCGATTGAACTGG
TGAAGCTGAAGTGTGAGAATTGGAGACCCGCCTGGAAAAGCTTCTCAAGCTGGGTTCTGCCTTCTGGA
GAGTGGCCACCATTACCTTGCCGCCAGCCGGCCCTTCGTTGTTGGCATTGTGACCTGGCTCACCTGGGT
CCACCAGAGCCCATGATGGCGGAGTGTCTGAAAAAATCACTGAGAGTCTGAACCACAAGCTGGACAGCC
ATGCTGAGCTTCTGATGCTACTCAACACACACTCCAGCAGCAAATCCAGACTCTGGTCAAGGAAGTCT
CCGGGGCTCCGAGAGGCTCGCAGGGATTTCTGGCGAGGGGCAGAGAGCCTGGAGGCTGCTTTCCAC
AATGCAGAGGTCCCAGGCGCGTGTCCAAGAAGCAGAGGATGCTGGAAGTCTTTGAGGACCGCTAGAG
CTGTGTACCGGAGCCGAGCATTAGATTATGCCCTGCAGGTCAATGTGATCGAGGATAAGAGGAAATTCGA
CATCATGGAGTTCATACTGCGTTTGGTTGAGGCACAGGCCACCTATTTCCAGCAGGGCCATGAAGAGCTA
AACCAGCTGGCTCAGTATCGGAAGGAATTGGGTGCCAGTTGCACAACCTGGTCTTGAAGCTCAGCTCGTG
AGAGGAGAGACATGGAACAGAGGCACGTGCTACTGAAGCAGAAGGAGCTGGTGGTGAGGAGCCAGAGCC
CAGCCTAAAGGAGGGATCTAGTGGCTTGGTAATGGAAGGACATCTTTTCAAACGCGCCAGCAATGCATTT
AAGACCTGGAGCAGACGCTGGTTTACCATTGAGAAACCAACTGGTTTACCAGAAGAAATATAAGGACC
CTGTAACCGTGGTGGTGGATGACCTTCGTCTGTACAGTGAAGCTCTGTCCAGACTCAGAAAGGCGTTT
CTGTTTGAAGTAGTGTCCACCAGCAAGTCTGTCTCCTCCAGGCTGACTCTGAGCGTCTCCTGCAGTTG
TGGTCAGTGTGTTCAAAGTAGCATTGCCCTCAGCCTTCACTCAGGCTCACCTGGAGAACAGCCCTCGGG
GGCCAGGCCAGGTCTCAGGATACCATTCCCAGGCTCTGCTGCTACTCTGAGTTGTTGGTGGACAGCCAG
AGGAAGGGAACCTGGGGAGTTGGGCAGGTGGCAGCCAGGTACAAAGTGTGGATGGAAATGCTCAGTGC
TGCAGTGTAAAGGAGCCAGCCCCAGAGTGGCCAGCATCAACCTTGGTATCACTCTCTGCATTCACTGCT
CCGGCATCCACAGGAGCCTTGGCGTTTCAATTTCTCAAAGTCCGCTCTCTGACCCTTGATTCTGGGAACC
AGAAGTAGTGAAGCTTATGTGTGAGCTGGGGAATGTTGTCATCAACCAGATCTATGAGGCCCGGGTGGAG
GCCATGGCCGTGAAGAAGCCAGGGCCAGCTGCTCCCAGCAGGAAAAGGAAGCCTGGATTGATGCAAGT
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AGGACATCCTCCTGTGCCCCAAAGCCTCCATCAGGCCACAGTCGGGGATTGTCAGATCCAAGTCAGAG
TCCCCATCTGAAGACATAGGAAGCTGCACCCTGGGGCCTGCTGTTCCAAGCTGCTGGATATCCGCCAT
CTTCTCCTACCATGGCTGATGCCCTGGCCACGGAGCTGATGTCAACTGGGTCAATGCAGGCCAGGGGAA
CGCCACACCTCTGATCCGGGCCACAGCTGCTAATTTCTTCTAGCCTGTGAGTTTCTCCTCCAAAATGGG
GCAAAATGTGAACCAAGCAGACAGTGTGGCCGGGGCCACTCCACCATGCCACCATTTCTGGCCACACAG
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GACTATCGCAATGGAAACCACCAATGCTGACATCGTAACTCTGCTACGATTGGCAAAGATGAGGGAGGCT
GAAGCGGCCAGGGCCAGACAGGAGACGAGACGTATCTCGACATATCCGAGACTTCTCCCTCATGGCGT
CGGACGACCCAGAGAACTGAGCCGTGGAAGTCACGACCTCCATACGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203005 representing NM_001105796
 Red=Cloning site Green=Tags(s)

MTVKLDFEELKDSPPRFASIELVEAEVSELETRLEKLLKLGSCLLSEGGHYLAASRAFVVGICDLAHLG
 PPEPMAECLKFTESLNHKLDSHAELLDATQHTLQQIQTLVKEGLRGFREARRDFWRGAESLEAALSH
 NAEVPRRRVQEADAGTALRTARAVYRSRALDYALQVNVIEDKRKFDIMEFILRLVEAQATYFQQGHEEL
 NQLAQYRKELGAQLHNLVLSARERRDMEQRHVLLKQKELGGEPEPSPKKEGSSGLVMEGHLFKRASNAF
 KTWSRRWFTIQNNQLVYQKKYKDPVTVVVDLRLCTVKLCPDSERRFCFEVVSTSKSCLLQADSERLLQL
 WYSAVQSSIASAFSAHLENSPRGPGQVSGYHSPGSAATLSCGGPARGREPGGVGVAAQVQSVGNAQC
 CDCKEPAPEWASINLGITLCIQCSGIHRS LGVHF SKVRS LTLDSWEPELVKLMCELGNNVINQIYEARVE
 AMAVKKPGPSCSRQEKEAWIHAKYVEKKFLTKLPEIRGRRGGPPRGHPVPPKPSIRPQSGIVRSKSE
 SPSEDIGSLHPGALLFQAAGYPPSLPTMADALAHGADVNNWVAGQGNATPLIRATAANSL LACEFLLQNG
 ANVNQADSAGRGPLHATILGHTGLACLFLKRGADLGARDTEGRDPLTIAMETTNADIVTLLRLAKMREA
 EAAQGTGDETYLDIFRDFSLMASDDPEKLSRRSHDLHTL

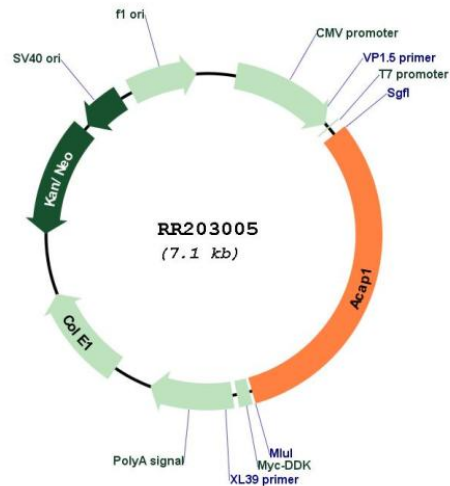
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001105796

ORF Size: 2220 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_001105796.2](#), [NP_001099266.2](#)

RefSeq Size: 2468 bp

RefSeq ORF: 2223 bp

Locus ID: 287443

Cytogenetics: 10q24

MW: 81.7 kDa