

Product datasheet for **RC229383**

ACAP3 (NM_030649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACAP3 (NM_030649) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACAP3
Synonyms:	CENTB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC229383 representing NM_030649
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGTGGAGTTCAGGAGTGCCTCAAGGACTCCCCGCGCTTCAGGGCGACCATTGACGAGGTGGAGA
 CGGACGTGGTGGAGATTGAGGCCAACTGGACAAGCTGGTGAAGCTGTGCAGTGGCATGGTGAAGCCGG
 TAAGGCCCTACGTACGACCAGCAGGCTTTTCGTGAGCGCGCTCCGCGACCTGTCCAGCAGTGCCAGGGC
 GACACCGTCATCTCGAATGTCTGCAGAGTTCGCTGACAGCCTACAGGAGGTGGTGAAGTACCACATGA
 TCCTGTTTGACCAGGCCAGAGTCCGTGCGGCAGCAGCTCCAGAGCTTTGTCAAAGAGGATGTGCGGAA
 GTTCAAGGAGACAAGAAGCAGTTTGACAAGGTGCGGGAGGACCTGGAGCTGTCCCTGGTGGGAACGCC
 CAGGCCCGAGGCCACCGGCCACGAGGTGGAGGAAGCCACCGGGGCCCTCACCTCACAGGAAGTGTCT
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 GGACTCTATGCTGCTCCTCATGCAGCCAGTCCAGCTTCTCCAGCAGGGCTACAGCCTCCTGCACCAG
 CTGGACCCCTACATGAAGAAGCTGGCAGCCGAGCTGGACCAGCTGGTGTGACTGCTGCGGTGGAAAAGC
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 GCGGAGGTTCTGCTTCGAGGTGCTGTACCCACCAAGAGCTGCATGCTGCAGGCTGACTCCGAGAAGCTG
 CCGCAAGCCTGGTCCAGGCTGTGCAGGCCAGCATCGCTCCGCTACCGCAGAGCCCTGACAGTTGCT
 ATAGCGAGAGGCTGGACCGCACAGCATCCCCCTCCAGCAGCAGCATCGACTCCGCCACCGACACTCGGGA
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 CCGCACCGGCCAGGTTTGCTGTTCTGAAGCGGGCGCGGACCAGCAGCCCTGGACCAAGAGCAGCGG
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 CGGAGGAAATGCGCGAGGCCGAGGCTGCCCTGGTCCCCCGGGCCCTGGCGGGCAGCCACCGAGCT
 CCAGTTCCGAGGTGATCCAGGAGTTCATCAGCCTCCACCTGGAAGAGAGC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229383 representing NM_030649
Red=Cloning site Green=Tags(s)

MTVEFEECVKDSPRFRAIDDEVETDVVEIEAKLDKLVKLCSGMVEAGKAYVSTSRFLVSGVRDLSQQCQG
DTVISECLQRFADSLQEVVNYHMILFDQAQRSVRQQLQSFVKEDVRKFKETKKQFDKVRDLELSLVRNA
QAPRHRPHEVEEATGALTLTRKCFRHLALDYVLQINVLQAKKKFEILDSML SFMHAQSSFFQQGYSLLHQ
LDPYMKKLAELDQLVIDSAVEKREMERKHAAIQQRTLLQDFSYDESKVEFDVDAPSGVMEGYLFKRAS
NAFKTWNRRWFSIQNSQLVYQKKLDALTVVVDDLRLCSVKPCEDIERRFCFEVLSPKSCMLQADSEKL
RQAWVQAVQASIASAYRESPDSCYSERLDRTASPSTSSIDSATDTRERGVKGESVLQRVQSVAGNSQCQGD
CGQPPRWASINLGVLLCIECSGIHRSLGVHCSKVRSLTDSWEPELLKLMCELGNSAVNQIYEAQCEGA
GSRKPTASSSRQDKEAWIKDKYVEKKFLRKAPMAPALEAPRRWRVQKCLRPHSSPRAPTARRKVRLEPVL
PCVAALSSVGTDRKFRDLSLFCPELDSLSYFDAGAAGAGPRSLSSDSGLGGSSDGSVDLAFGSGSV
VDSVTEEEGAESEESSGEADGDTEAEAWGLADVRELHPGLLAHRAARARDLPALAAALAHGAEVNWADAE
DEGKTPLVQAVLGGSLIVCFLLQNGADVNQRDSRGRAPLHHATLLGRTGQVCLFLKRGADQHALDQEQR
DPLAIAVQAANADIVTLLRLARMAEEMREAEAAPGPPGALAGSPTLQFRRCIQEFISLHLEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8117_b09.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_030649

ORF Size: 2502 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_030649.3](#)

RefSeq ORF: 2505 bp

Locus ID: 116983

UniProt ID: [Q96P50](#)

Cytogenetics: 1p36.33

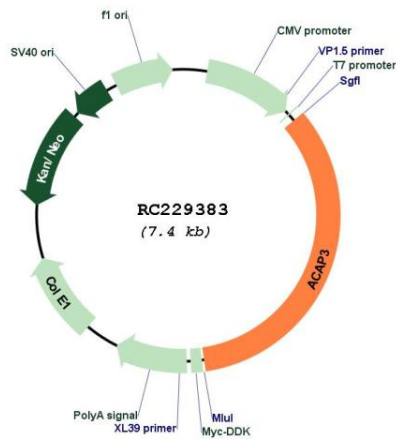
Domains: ArfGap, PH, ANK

Protein Pathways: Endocytosis

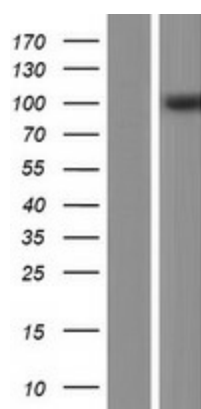
MW: 92.3 kDa

Gene Summary: GTPase-activating protein for the ADP ribosylation factor family.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC229383



Western blot validation of overexpression lysate (Cat# [LY432394]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229383 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).