

Product datasheet for **RC214743**

ACRC (GCNA) (NM_052957) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACRC (GCNA) (NM_052957) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACRC
Synonyms:	ACRC; NAAR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC214743 representing NM_052957
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATGGGTGCAAAAAAGAGCTGCCCCGCTTGAAGAGCCGGAGGAGGACGAGGATTGTTACATCCTTA
ATGTTTCAGTCAAGCAGTGATGACACCAGTGGGTCTTCTGTGGCCAGAAGAGCTCCGAAGAGACAGGCGAG
TTGCATCCTTAATGTCCAGTCAAGGAGTGGTGACACCAGTGGGTCTTCTGTGGCCAGAAGAGCTCCGAAG
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AAGCTAAGTTATTGAAAATAACAGCGACGATGAGAGTCCGGAGTGTGTCATGTGAAGCCTGCCATCCA
GGAACCTCCAATAGTTATTAGTGATGATGACAATGACGATGACAACGGTAATGATTTGGAAGTCCCGAC
GACAACAGTGATGATTCAGAAGCTCCCGACGACAACAGTGATGATTCGGAAGCTCCTGACGACAACAGTG
ATGATTCGGAAGCTCCCGACGACAACAGTGATGATTCGGAAGCTCCCGACGACAATAGTGATGATTCGGA
TGTTCCCGACGACAACAGTGATGATTCATCCGACGACAACAGTGATGATTCATCCGACGACAACAGTGAT
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TTCGACGACAGCAGTGATGATTCGGAAGCTCCCGACGACAGCAGTGATGATTCGGAAGCTCCCGACGA
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CAATAGTGATGATTTGGAAGTTCCTGTGCCAGCAGAAGATTTGTGTAATGAAGGCCAAATGCTTCAGAT
GAAGAAGAGCTGGTTGAGGCTGCTGCTGCTGCCAGCATGATTCATCTGATGATGGTGAGCAGG
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GCTGCCAGAGAACTACGCATAGGCTGGAATAACAAGATGGTAAAAGTCTGGCTTATGCAGCACTGGT
GAGATGTGGTACCCAAAGTGGCGCGCTTTGCCAAGATCCAGATTGGCTTGAAAGTCTGCGACTCTGCAG
ACCGAATCCGGGATACCTTGATCCATGAAATGTGCCATGCTGCCTCCTGGCTGATTGATGGTATCCATGA
TTCTCATGGTGACGCATGGAAGTATTATGCCAGGAAATCCAACAGGATACACCCGGAGCTGCCAGGGTC
ACCCGTTGCCATAACTATAAGATTAACAAGGTCCATTATGAATGACTGGATGCAAAACGAGGATTG
GCTGCTACACCAATCGTTGGACACCAGCCGCTTCATCTGTGCCAAATGCAAGGGGTCTCTGGTCATGGT
GCCATTAACAGAAAGATGGGACCCGATTGTGCCCCACGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214743 representing NM_052957
Red=Cloning site Green=Tags(s)

MDGCKKELPRLQPEEDEDYILNVQSSDDTSGSSVARRAPKRQASCILNVQSRSGDTSGSSVARRAPK
 RQASSVVVIDSDSDEECHTHEEKAKLLEINSDDESPECCHVKPAIQEPPIVI SDDNDNDNGNDLEVPD
 DNSDDSEAPDDNSDDSEAPDDNSDDSEAPDDNSDDSEAPDDNSDDSDVPDDNSDDSSDDNSDDNSD
 DSDVPDDKSDSDVPDDSSDDSDVPDDSSDDSEAPDDSSDDSEAPDDSSDDSEAPDDSSDDSEAPDDSSD
 DSEASDDSSDSEASDDSSDSEAPDDKSDSDVPEDKSDSDVPDDNSDDLEVPVPAEDLCNEGQIASD
 EEELVEAAAASQHDSSDDAGEQDLGENLSKPPSDPEANPEVSEKRLPTEEEPAPVVEQSGKRKSKTKTI
 VEPKRQRQTKTKNIVEPRKRQTKTKNIVEPLRKRKAKTKNVSVTPGHKKRGPSKKKPGAAKVEKRKTRT
 PKCKVPGCFLQDLEKSKYSGKNLKRKDELVQRIYDLFNRSVCDKLLPEKLRIGWNNKMYKTAGLCSTG
 EMWYPKWRRFKIQIGLVKCDADRIRDTLIHEMCHAASWLIDGIHDSHGDAWKYARKSNRIHPELPRV
 TRCHNYKINYKVHYECTGCKTRIGCYTKSLDTSRFICAKCKGSLVMVPLTQKDGTRIVPHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_052957

ORF Size: 2073 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_052957.4](#), [NP_443189.1](#)

RefSeq Size: 2792 bp

RefSeq ORF: 2076 bp

Locus ID: 93953

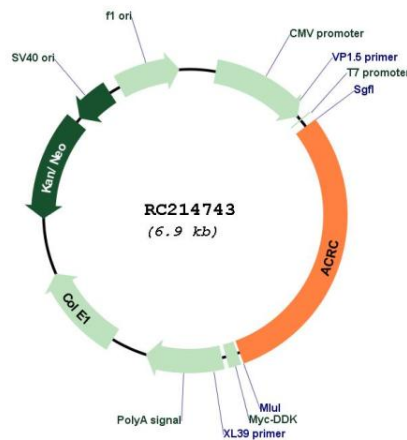
UniProt ID: [Q96QF7](#)

Cytogenetics: Xq13.1

Domains: SprT

MW: 75.9 kDa

Product images:



Circular map for RC214743