

Product datasheet for **RR213464**

Ackr3 (NM_053352) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ackr3 (NM_053352) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ackr3
Synonyms:	Cmkor1; Cxcr7; Rdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213464 representing NM_053352 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTGCATCTGTTGACTATGTGGAACCTGGGAACACTCGGACATCAACTGGCCCTGTAACAGTA
GCGACTGCATCGTCGTGGACACCGTGCAGTGTCCCGCCATGCCAACAAGAATGTGCTGTGATACCCCT
CTCCTTCACTACATTTTCATCTTCGTGATCGGTATGATTGCCAACTCCGTGGTGGTCTGGGTGAATATC
CAGGCCAAGACTACAGGCTACGACACACTGCTACATCTTGAACCTGGCCATTGCCGATCTGTGGGTGC
TCATCACCATCCCTGTCTGGGTGGTCTCGTGCAGCATAACCAGTGGCCCATGGGTGAGCTCACGTG
CAAGATCACACACCTCATTTTCTCCATCAACCTCTTTGGGAGCATCTTCTCCTCGCATGCATGAGCGTG
GACCGCTATCTCTCCATCACCTACTTACCAGCACCTCCAGCTATAAGAAGAAGATGGTACGCCGTGTTG
TCTGCGTCTTGGTGTGGCTGCTGGCCTTCTTTGTGTCCTGCCTGACACCTACTACCTGAAGACGGTAC
ATCTGCTTCCAACAACGAGACCTACTGCAGGTCCTTCTACCCCGAGCACAGCATCAAGGAGTGGCTCATT
GGCATGGAGCTGGTCTCCGTCATCTTGGGTTTTGCTGTCCCTTACCATCATTGCTATCTTCTACTTCC
TGCTCGCCAGAGCCATGTCAGCATCCGGTGACCAGGAGAAACACAGCAGCCGGAAGATCATCTTCTCCTA
CGTGGTGGTCTTCTGGTGTGTTGGCTGCCGTACCATTTGTGGTCTGCTGGACATCTTCTCTATCTTG
CACTACATCCCCTTACCTGCCAACTGGAGAATGTGCTTTACAGCGCTGCACGTACCGCAGTGCCTGT
CCCTGGTGCACTGTGTCAACCCTGTGCTCTACAGTTCATCAACCGAACTACAGGTACGAGCTGAT
GAAGGCCCTTCACTTCAAGTACTCAGCCAAAACAGGACTCACAAACTCATCGATGCCTCCAGAGTGTCA
GAGACAGAGTACTCTGCCTGGAGCAGAACACCAAGGAGACAGAGTACTCTGCCCTGGAGCAGAACACCA
AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213464 representing NM_053352
Red=Cloning site Green=Tags(s)

MDVHLFDYVEPGNYSDINWPCNSSDCIVVDTVQCPAMPNKNVLLYTLFSFIYIFIFVIGMIANSVVVWVNI
 QAKTTGYDTHCYILNLAIDLWVVITIPVWVSLVQHNQWPMGELTCKITHLIFSINLFGSIFFLACMSV
 DRYLSITYFTSTSSYKKKMVRRVVCVLVWLLAFFVSLPDTYYLKTVTSASNNETYCRSFYPEHSIKEWLI
 GMELVSVILGFVFPFTIIAIFYFLLARAMSASGDQEKHSSRKIIFSYYVVVFLVCWLPHYFVLLDIFSIL
 HYIPFTCQLENVLTALHVTQCLSLVHCCYNPVLVYSFINRNYRYELMKAFIFKYSAKTGLTKLIDASRVS
 ETEYSALEQNTKETEYSALEQNTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1568_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_053352

ORF Size: 1086 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 Size: 1958 bp

RefSeq ORF: 1089 bp

Locus ID: 84348

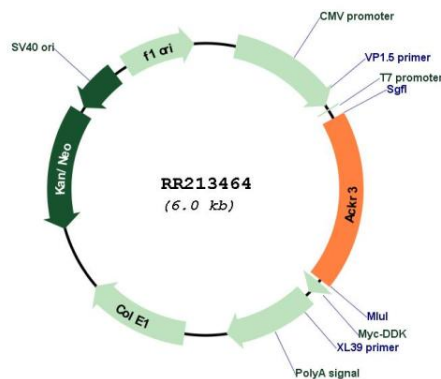
UniProt ID: [O89039](#)

Cytogenetics: 9q36

MW: 41.6 kDa

Gene Summary: human homolog is an orphan G-protein coupled receptor and may be associated with lipomas [RGD, Feb 2006]

Product images:



Circular map for RR213464