

Product datasheet for **RR206234**

Akap14 (NM_021703) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap14 (NM_021703) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akap14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR206234 representing NM_021703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATAACAAAAAAGCCCCAAACCAGAAGCGAAGACTGTGGAGAACTAGCACAGCCAAGGCAA
 AGAAACCGGAGGCTCCAGAGCCCAAGAATGTTACAGAACCAAAAGATAGTAAGGCCGTGGAGGACCCAAA
 GAAGTCTGTGACAAATCAGAAAGAGAAGAAAACGGTGACCATCATTGCAGACCCAAAGGACAAAAAGAGT
 GTGACGGAACCAAAAGAAAAGAACTGTGACGATCTCAGATCCCAAGACAAGAAACCTGTGATAGAGA
 AAGACAAGAGGACGGTGACATTTGTGACAGACGTAAGACAAGAGGATTGTGACCGACACAAAAGAAAA
 CAGGATTGCATCAATAGACACAAAAGAAAAGGGTCCAGTAGTGCCAGAAGTAAAGAGAAGAAAGTGCAG
 CTAATAGATCCGAAAGAGAAGGTGGTTGCACCGGTTGCACCGGTTGCCCGGTTGCGCATGCTGCCCAGG
 TTCTCATGCTGCCCAGGTTCCGCATGCTGTCCAGGTTCCGCATGCTGTGCCGGTTGCGCATGCTGCCCC
 GGTTGCGCATACTGCCCAGGTTTTCGCATGCTGCCCGGTTGCCCTTCTCTGCCTGTTGTGCCACCTGCG
 CCGGTTGTGCCACTTGCGCCAGTTGTGCCACCTGCCCGAGTTGCTCATACTGAACCGGTAGCACATGCTG
 TGCCGTTTGCGCCACCTGCGCCGGTTGCCACCTGCGTCAGTTGCGCCACCTGTGCCAGATGCTCCAGT
 TGCGCTAGTTGCGCCAGTTGCTCCACAAGTAAACAGAAGATTCGGGTGTCGGAGGTGAAGCGGAAAAAG
 GAAGTGCCACCACGTGTGCCCGAGTTAAAGGAAATGAAGGTGGTGTATTACACCAGAGATAAAAGAAA
 AAAAGGTTGTGTCTGAGATCAAAGAGAAGACACAAGTAATAGATGGAAAAGAGAAGTTAATTGTGCCAGA
 CGTAAAGAGAAAAAGCCTGCAGTTGTAGAGAAAAAGACGAGAGGATGAATGAGATAGCTCGGACTGTA
 GTTGAGGGCGTACTGGCTGCTTCTGTTCAAGTTTGTGGAAGAAGCCAGAAATCCCATCAAGAACATCAAGT
 GGCTCACTCATGGGGAATTCACGGCAGAAAAGGGTCGAAAACAAATTGAAAAGTTTGTTCACATGGGA
 GTTCAAAACCGCTGGGTGTAATGCAGATTTTATAGAGAAGAAAGACCTAATCACTCCTTCCACTAT
 ATCTACCGGGTGCCTGGAGTGCCCCACTGCTGTGAGACCCATGGCACGAGTCAGTGCCAACGCCTACT
 TCACCATCAAGTTCAACAAGAGCAAACTGCGGATATGCCTGTTGATGTCTTTATATCTTTGAGAATTC
 AGAACTACTTCAAAGGCCAGGAAAGATTCGATTCGAGAACAATGGCTGAGGGACATTACTGAGACCAAA
 CATATTTTGTGGAGTCTATCCCTTTTAAAGTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206234 representing NM_021703
 Red=Cloning site Green=Tags(s)

MNNKKKPPNQKAKTVENTSTAKAKKPEAPEPKNVTEPKDSKAVEDPKKSVTNQKEKKTVTIIADPKDKKS
 VTEPKKKTVTISDPKDKKPVIEKDKRTVTFVTDVKDKRIVTDTKENRIASIDTKEKGPVVEVKEKKVQ
 LIDPKEKVVAPVAPVAPVAHAAQVPHAAQVPHAVQVPHAVPVAHAAPVAHTAQVSHAAPVAPSLPVVPPA
 PVVPLAPVVPPAPVAHTEPVAHAVPFAPPAPVAPPASVAPPVPDAPVALVAPVAPQVQKIRVSEVKRKK
 EVPPRPVQLKEMKVVLFTPEIKEKKVVSEIKEKTQVIDGKEKLIVPDVKEKKPAVVEKKDERMNEIARTV
 VEGVLAASVQFVEEARNPIKNIKWLTHGEFTAEGRKQIEKFVSTWEFQNRWVYYADFIEKKDLIHSFHY
 IYRVRWSAPTAVRPMARVSANAYFTIKFNKSKPADMPVDVSYIFENSELLQRPKGIRFREQLRDLITETK
 HILLESIPFKVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021703

ORF Size: 1506 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_021703.1](#), [NP_067735.1](#)

RefSeq Size: 1879 bp

RefSeq ORF: 1509 bp

Locus ID: 60332

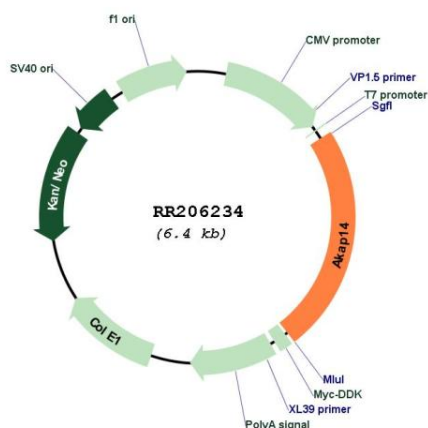
UniProt ID: [Q35817](#)

Cytogenetics: Xq35

MW: 55.8 kDa

Gene Summary: exit [RGD, Feb 2006]

Product images:



Circular map for RR206234