

Product datasheet for **RN204698**

Akap1 (NM_053665) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap1 (NM_053665) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akap1
Synonyms:	Akap84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN204698 representing NM_053665
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAATCCAGTTCGCTCACTTCCCTTGGCCTTGCTGGAATGCTAGCACTCCTTGCTGGTGGT
 GGTTTTCTCTCGTAAAAAGATCGGCTCAGCAGCAATGGCAAGCAGGTGGGACATTGAAGTTGGCCC
 TGCCATCGAGGACCGACTGCCACTGAAGAGCCCTGCTCGAGTCTGTCTGTGACCCCACTGTCACA
 CAGCCTCTGAAAGGAAGAGCAGCGCTCTATGGACAGGCCTCTTTCAGATCCCCAGCCTTGCCAAGGA
 CCCGTCAAGTTCGCCAAGATCAGAGTCTCAGGCAACCTCCCCAGCATTGTAGACACAAGGTTGCAGGC
 AGGACAGTGCAGCGATGAGAATCAAAGTGGTACTCTCCCTGATGGGGACGAAGCCAAATCTATTCT
 CTTGGACGTCCGCTTTCCCAAAGGATCTGTCTTCCCCTATGAAGCAGTGAAGGGTGAAGCAAGAGT
 CTGCCCTGGCAGAACTCTGGAGAGGCTGGCTAAGCCAGTGTGCAGCCTCTGGAGAGAACCGAGAGA
 GACGGGTGGGGCGAAGGACTGGAGATGCTGTGTTGGGGAAAGTACTTGGGAAGGCCTATTGCC
 CAGGAGTGTGTTTCAAGAAGTAGAGAAGAGTGAAGTTCCGATCCTAGCTCCCGGGGAGGCGGGGAGAGA
 AGGTGAGAAGTGGCCACCACAGGTAGATGAGCTTTAAAGAAGGAAGAATATATTGTTGGGAAGTTGCC
 AAGTAGCTTTGTGGGCCAGTTCCTCGGAGCTGGTAAAGGATGAGGGTGCCTGCTACCCCAAGTCAA
 GGTAGCCAGGACAGAAGCCTGGCTAGAGAACTGGACAAAGACAAGACCTTGCCTGAAAAGGACCAGATTG
 AGCAGACTGCCTTCCAGATCATCTCCAGGTGATCTTGAAGCGACTGAAGAGATACGGGCCACCACAGT
 GGGCAAGACTGTGGCACAAGTGCATCAACCCCGGCACTCAGCCTCAGGGCAGGAGAGAGCTGTGTC
 CCAGCCAGCCAGGAACTAGCTTGGGACAAGAAATCCCAGATCCTGCTTCCACCAGAAGCAGTGCCTG
 CCAGCCCTCAGCAGGAGCCCCACCACCAAGACCTATGTGAGCTGTCTCAGCAGTCTCTGTGACGGCC
 CACCAAGGACCAGAAGCCAAAGAAGTCTGCACACCACATCTCCCTGGCTCCCTGCCACCAGCAGTTACC
 CCCCAGAGGCAGTCTCTGGATGGGCAAGTAACCCGAGAGGTGATGACACCTTTGTCACCTGTACGTCCA
 ACAACAGCCAGAGTGTCTTTTCAAGTACCTCCTTGGGGTGTGCTCAGACCCTGTGACTTTCGAGGCT
 TGAAGACTCTTGACAGAGACCATCTCAAGCTCCGGAGACAAAGCTGTACCCCAAGTCCAGACAGT
 ACTGAGCCCTTCAAGATGGGGTGTGAAGGAGGATTGTGACTTGGGACCGAGGATGGATGGACCA
 TGGATACAGAAGCAGATCATTCAAGGAGTCTGACGGAAACAGTATGGATTGAGTGGATAGCTGTTGTTG
 GCTTACGAAACCTGATAGCCCCAGACTGTCCAGGAGGCTCAACCCCTAAGAAGTTGACCTCATCATC
 TGGGAGATCGAGGTGCCAAGCATTTAGTTGGTCGACTGATTGGCAAGCAGGGACGGTACGTGAGTTTT
 TGAAGCAGACGTCTGGTCCAAGATCTACATCTCCACCCTGCCTTACACACAGAACATCCAGATCTGCCA
 CATAGAAGGCTCTCAGCATCATGTGGACAAAGCTCTGAACCTGATTGGGAAGAAGTTAAGGAGCTGAAC
 CTCACCAATATCTATGCACCACCGCTGCCTTCTTGGCACTGCCTTCCCTGCCGATGACATCGTGGCTCA
 TGCTGCCTGATGGTATCACTGTGGAAGTCACTGGTCAACCAGGTCAATGCTGGGCACCTATTTGTACA
 GCAACACACACACCCACCTTCCACGCACTGCGCAGCCTGGACCAGCAGATGTACCTCTGTTACTCTCAG
 CCTGGAATCCCCACCTTGGCCACCCAGTGAAATAACGGTTATCTGCGCTGCCCTGGTGGGACGGGG
 CCTGGTGGCGAGCCCAAGTAGTGGCTCCTATGAGGAGACCAATGAGGTGGAGATTGCTACGTGGACTA
 TGGTGGATATAAGAGGGTGAAGTGCAGCTGCTCCGGCAAATAGGTCTGACTTTGTGACCTGCCATTC
 CAAGGAGCAGAAGTCTTCTGGACAGTGTGGTTCCGCTGTCAGATGATGATCACTTTTACCCGAGGCAG
 ACGCAGCCATGAGTGAGATGACAGGCAATACAGCACTGCTGGCCAGGTGACAAGCTACAGTGGCAGTGG
 CCTTCTCTGATTGAGTGTGGTGGAGATGAAGTGGTGTGATAAACCGGTCGCTGGTGGAG
 CGGGCCCTGGCACAGTGGGTAGACAGCTGCTATGCCAGCCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053665
Insert Size: 2565 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_053665.1 , NP_446117.1
RefSeq Size:	2621 bp
RefSeq ORF:	2565 bp
Locus ID:	114124
UniProt ID:	O88884
Cytogenetics:	10q26
Gene Summary:	scaffolding protein that immobilizes and concentrates protein kinase A II (PKAII) isoforms at specific intracellular locations [RGD, Feb 2006]