

Product datasheet for **RR209617**

Akap7 (NM_001001801) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap7 (NM_001001801) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akap7
Synonyms:	AKAP-18; Akap15; Akap18; AKAP18d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209617 representing NM_001001801 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCGCCCCCGCGGGGAGAAATAGATGCCAATAAGTGTGATCATTTATCAAGAGGAGAGGAAGGGA
CGGGGACCTGGAGACCAGCCCTGTAGGTTCTCTGGCAGACCTGCCGTTTGCTGCCGTAGACATTCAAGA
TGACTGTGGACTCCCTGATGTACCTCAAGGAAATGTACCTCAAGGAAACCAAAGAGAAGCAAAGAAAAT
AGAGGCGACAGGAATGATCACGTGAAGAAGAGGAAGAAGGCCAAGAAAGATTATCAACCCAACTATTTCC
TGTCATTCCAATCACCACAAAAGATTACAGCTGGAATTAAGTCTTGCAAAATTCGATACTGAGACA
GGATAATCGATTGACAAAGCCATGGTCGGCGACGGCTCCTTTCACATCACCTTGCTAGTGATGCAGCTA
TTAAACGAAGATGAAGTAAACATAGGTACCGACGCGCTTTTGAAGTGAAGCCGTTTCGTTGAGGAGATCC
TTGAGGGGAAGCATCTGACTTTGCCCTTCCACGGGATTGGCACTTCCAAGGTCAGGTTGGCTTTGTGAA
GCTGGCAGACGGAGATCACGTCACTGCCCTCCTGGAGATAGCAGAGACTGCAAAAAGGACATTTTCAGGAA
AAAGGCATCCTGGCTGGAGAAAGCAGAACTTTTAAGCCTCACCTGACCTTTATGAAGTCTCCAAAGCAC
CAATGCTCTGGAAGAAGGGAGTGAGAAAAATAGAGCCTGGATTGTATGAGCAATTTATCGACCACAGATT
TGGAGAAGAAATACTGTACCAAATAGATCTCTGCTCCATGCTGAAGAAAAACAGAGCAATGGTTATTAC
CACTGCGAGTCTTCGATCGTGATCGGTGAGAAGGACCGAAAGGAGCCTGAGGATGCTGAACTGGTCAGGC
TCAGTAAGAGGCTGGTGGAGAACCCGTGCTCAAGGCTGTCCAGCAGTACCTAGAAGAGACACAGAACAA
AAAGCAGCCGGGGAGGGGAACTCCGTCAAAGCTGAGGAGGGAGATCGGAATGGCGATGGCAGTGATAAC
AACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

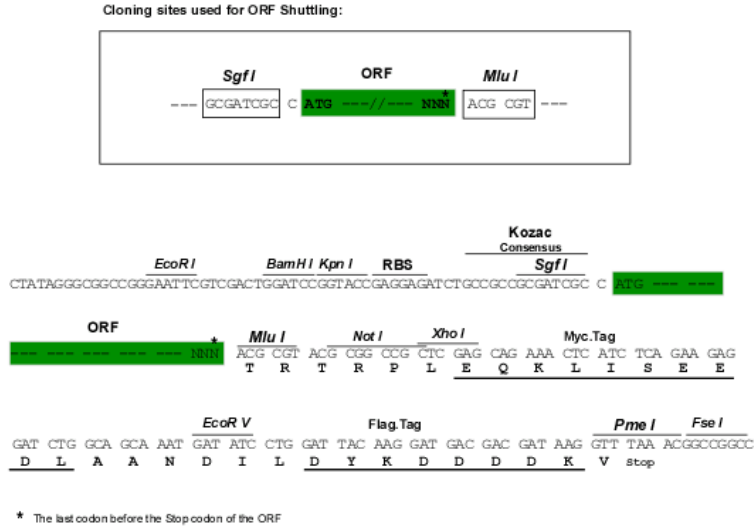
Protein Sequence: >RR209617 representing NM_001001801
 Red=Cloning site Green=Tags(s)

MERPAAGEIDANKDHL SRGEEGTGDLETSPVGLADLPFAAVDIQDDCGLPDVPQGNVPQGNPKRSKEN
 RGDRNDHVKKRKKAKKDYQPNYFLSIPITNKKITAGIKVLQNSILRQDNRLTKAMVGDGFSFHTLLVMQL
 LNEDEVNIGTDALLELEKPFVVEEILEGKHLTLPHFGIGTFQGVGFVKLADGDHVSALLEIAETAKRTFQE
 KGILAGESRTFKPHLTFMKLSKAPMLWKKGVRKIEPGLYEQFIDHRFGEEILYQIDLCSMLKKKQSNQY
 HCESSIVIGEKDRKEPEDAELVRLSKRLVENAVLKAVQYLEETQNKQPEGNSVKAEEGDRNGDGSND
 NRK

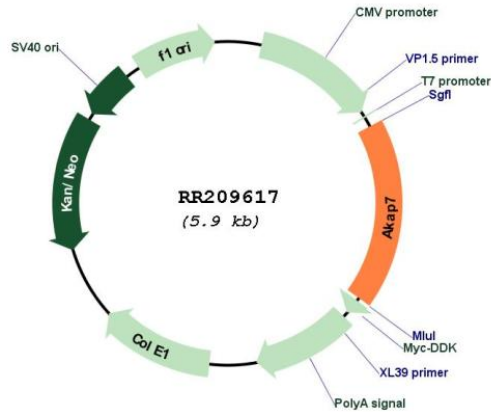
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001001801

ORF Size:	1059 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:	<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_001001801.3 , NP_001001801.1
RefSeq Size:	1062 bp
RefSeq ORF:	1062 bp
Locus ID:	361458
UniProt ID:	Q6JP77
Cytogenetics:	1p12
MW:	39.4 kDa
Gene Summary:	member of the A-kinase anchoring protein (AKAP) family; binds to the regulatory subunit (RII) of cAMP-dependent protein kinase A [RGD, Feb 2006]