

Product datasheet for **RN201716**

Akap10 (NM_001114606) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap10 (NM_001114606) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akap10
Synonyms:	D-akap2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN201716 representing NM_001114606
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGGAGCCGGCCCTCCCCGCGACTCCCCCGGCCCTCCGCCCGACCCGGGCCCCGCCATGT
 CCTTCTCCGGCGAAAAGTGAAAGGTAAAGAGCAAGAGAAGAAGCTTAGATGTCAAATCCATTAAAGCTTC
 AATAGCCGTACATTCCCCACAAAAAGCACTAAAAATCATGCCTTCTGGAAGCTGCAGGACCAAGTCAT
 GTTGCAATCAATGCCATTTCTGCCAACATGGACTCTTTTTCAAGTAGCAGGACAGCAACGCTTAAGAAAC
 AGCCAAGCCACATGGAGGCTGCTCATTTTGGAGACTTGGGCAGATCCTGTCTGGACTATCAAACCAAGA
 GACCAATCCAGTCTTTCAAAGACCCCTGAACAAGTCTTACGTGACAGTGTGTCTTCCATATTTCTT
 CAGTTTATGGAACCTCGGAGAATGGAGCACCTGGTAAATTTGGTTAGAGGCTGAAAGTTTCACTCTA
 CAACTTGGTCCCGAATAAGAGCACACAGTCTAAACACAGTGAAACAGAGTTCCTGGCTGAGCCTGTCTC
 TCCATCTAAAAACAGGAAACGACAGCGTCTTTGTAAGTGTCTCTTGACAGGAGTTGGGAGATTCT
 AGCTCAGCCCCACTACTTTTACTCAATCAGAAGGAACTGACCTGAGTAGAAGTCTGAAACACTCAGA
 ATCACTTGTCTTTCCAGGAATGCCACAGTACCCATTCTCTCCATCATGAAGTGGCCAGAACAGGAAC
 TCATCAGATTTCCACTGACTCCCAAGAATCCTCTTCCAGACTTGCAGTAGCCAGTAGAAACAGTTGCTCT
 TCTCCACTGAGAGAAGTGTGAGAAAACTAATGAAAAGTATAGAACAAGTGCAGTGAATACTTTTACCA
 AATATATCTCTCCAGATGCTGCTAAACCAATACCAATTACAGAAGCCATGAGAAACGACATCATAGCAA
 GATTTGTGGAGAAGATGGACAGGTGGATCCCACTGTTTCTGTTGACAGGCTGTAGTCTTTAGTGCA
 ATGGAGCAAGAGCACTTTAGTGAGTTTCTGCGAAGTACCATTCTGTAATACCAGATTGAAGTGTGA
 CCAGTGGGACTGTTTACCTGGCTGATATTTCTCTCTGTGAGTCAGCCCTTTTTATTTTTCTGAGTACAT
 GGAAAAAGAAGATGCAGTGAATATCTTACAATTCTGGTTGGCAGCGGATAATTTCCAGTCTCAGCTTGT
 GCCAAAAAGGGCCAGTATGATGGCAGGAGGCACAGAATGATGCCATGATTTTATATGACAAGTACTTTT
 CCCTCCAAGCCACACACCCCTTGGATTTGATGATGTTGTGCGATTAGAAATCGAATCTAATATCTGCAG
 GGAAGGTGGGCCACTTCCTAAGTGTTCACAACCCATTACGTGAGCCTGGACAACCATGGAGAAGGTC
 TTTTGTCTGGTTTTCTGTCAGCAATCTTTATTACAAATATTTGAATGATCTCATCCACTCAGTTCGAG
 GAGATGAGTTTCTGGGAGGGAATGTCTCATTGGCTGCTCATGGCTCTGTCTGCCTCCTGAGGAGTCTCA
 CTCAGGCGGCTCCGATGGCTCCACTGCTCAGTCTAGTGTGAAAAAGCCAGTATTAATTTCTGAAAAAC
 TTTGATGAAGCAATAGTTGTGGATGCTGCAAGCCTGGATCCAGAATCTTTATATCAACGGACATACGCCG
 GGAAGATGTCCTTTGGGAGAGTTAGTACTTGGGGCAGTTCATCCGAGAGTCTGAGCCTGAACCTGATGT
 GAAGAAATCGAAAGGATTCATGTTCTCACAAGCTATGAAGAAGTGGGTGCAAGGAAATACTGATAGGGCC
 CAAGAAGAGCTAGCTTGGGAAGATTGCAAAAAATGATAGTGAAGTGTATGCAGCAGGCACACCATGATC
 AACCACTAGAGAAGTCTACAAAGCT**ATGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001114606
- Insert Size:** 1989 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:

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_001114606.1](#), [NP_001108078.1](#)

RefSeq Size: 3461 bp

RefSeq ORF: 1989 bp

Locus ID: 360540

Cytogenetics: 10q22

Gene Summary: Protein kinase A anchoring protein; involved in in PKA and G protein signal transduction [RGD, Feb 2006]