

Product datasheet for **MC217676**

Akap14 (NM_001033785) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap14 (NM_001033785) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Akap14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217676 representing NM_001033785
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTAACAAAAAAGTTCCCAAACCCAGAAGGCGAAGATTGTGAAAAACTAGCACAGCCAAGACAA
 AGAAACCGGAGGCTCCAGAGCCCAAGCATGTTACAGAGCCAAAAGACAGTAAGTCTGTGGAGGACCCAAA
 GATCCCTGTGACAGATCAGAAAGAGAAGAAAACGGTGACCACCATTGCAGAGCCAAAGGATAAAAAGAGT
 GAGACGGAGCCAAAAGAAAAGAAGACTGTGACGATCTCAGACCCCAAAGCCAAGAAAACCGCATAGAGA
 AAGACAAGAGGACGGTGACATTTGTGACAGAAGTAAAAGACAAGAGGATTGTGACCGACACAAAAGAAAA
 CAGAATTGCATCAATAGACACAAAGGAAAAGGTGCCAGTAGTAGTGCCTGAAGTAAAAGAGAAGAGAGTG
 CAGCTGTAGACCCAAAAGAGAAGGTGGCTGTTTTACCTACTACACCAATTGGGTGAGTTGCGCATGTTCC
 CGCATGCTCCGCCTGTTGCGCATACTGAGCATGCTGCACCTGCAAAGCCTGTTGCGCCTGCAAAGCCTGT
 TGCGCCTGTTGCGCCTGCAAAGCCTGTTGCGCCTGTTGCGCCTGCAAAGCCTGTTGTGCCTGTTGCGCCT
 GCAAAGCCTGTTGCGCCTGCTGCACCTGTTACATCAGTTGTGCGTGTGTACCTGCTGCACCTGTTACGC
 CAGTTGCGCCTGTTGCACCTGCTGTGCCAGTTGTGCCTGTGCGCCCGTTGCGCCTGCTGCACCAAGTTGT
 GCCTGCTGCTCCAGTTGCACCACTGCGACCTGCTGCCCCGTTGCGCCAGTTGCACCAAGTTGCACCTGCT
 CTGCCCCGTTGCGCCAGCTGTGCCAGTTGCACCACTGCTGCCAGTTGCACCAAGTTGTGCCAGAAGTAAAC
 AGAAGATCCCGGTGTGAGAGGTGAAGGGGAAGAAGGAAGTGCACCTACGTGTGCCCGAGTTAAAGGAAAT
 CAAGGCATCGTCATTCGACCCAGAGATAAAAGTAAAGAAGTTGGATCAGAGATCAAGCAGAAGGCTCAT
 GTGAAAGACGTAAGAGAAGAAAATTGTGCCAGAGGTAAGAGAAGAAAAGCCTGTAGTTGTAAGAAAA
 AAGACGGGGCGAGTGAAGTCGTCGGACTGTAGTGGACGGCGTAATGGCTGCTGCTGTTGAGATGGTGGA
 AGAAGCCAGAAACCCCATCAAGAACATCAAGTGGCTCACTCACGGGGAATTCACACCAGAAAAGGGGCGA
 AAACAAATTGAAAAGTTTGTTCACATGGGAGTTTCAAACCGCTGGGTGATTATGCTGATTTTATAG
 AGAAGAAAGACTTAATTCATTCTACCACTATATCTACCGGGTGCCTGGAGTGCCCCACGGCTGTGAG
 ACCCATGGCACGAGTCAGTGCCAATGCCTTATTCACCACTCAAGTTCAACAAAAGCAAACCTGCCGATATG
 CCTGTTGATGCTCTTACATCTTTGAGAATTGAGAACTACTTCAAAGACCAGGAGAAATTCGATTTGAG
 AACAGTGGCTGCGGGACATTACTGAGACCAAGCATATTTGTTGGAGTCCATTCCCTTTAAAGTTGTTTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033785
- Insert Size:** 1611 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_001033785.2](#), [NP_001028957.1](#)

RefSeq Size: 1792 bp

RefSeq ORF: 1611 bp

Locus ID: 434756

Cytogenetics: X A3.3

Gene Summary: This gene encodes a member of A-kinase anchoring proteins (AKAPs), a family of functionally related proteins that target protein kinase A to discrete locations within the cell. The human ortholog of this gene has been characterized. It is reported to be enriched in airway cilia and to regulate ciliary beat frequency by anchoring the protein kinase A holoenzyme near substrates in the axoneme. [provided by RefSeq, May 2013]