

Product datasheet for SC117472

AKAP6 (NM_004274) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AKAP6 (NM_004274) Human Untagged Clone
Tag: Tag Free
Symbol: AKAP6
Synonyms: ADAP6; ADAP100; AKAP100; mAKAP; PRKA6
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_004274 edited
GCACGAGGGTCACAGCATCATGCAGCAGGTCAAACAAGGCATCTCCTAGTATTGCATCCT
ACAGATGTGCTGTAACATCAAAAGAAGACGGTGGGATCAGGAGATGCTGTTTTGGAAAG
AAGTGAGGTTTAGACTTCTCCATGTTAACCATGAGCGTGACACTTTCCCCCTGAGGTCA
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AAGATACGCTGGCTGCAACTCAGGGTGGCTCATCTCCCGCCTGGGCTGG

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004274 unedited</p> <pre>GGGCCTCAGGTTGCCCGTCCCGCTTAGGGCGGTAGGCGTGTCCGGTGGGNAGGTCTATA TAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGC CGCGAATTCGGCACGAGGGTCACAGCATCATGCAGCAGGTCAAACAAGGCATCTCCTAGT ATTGCATCCTACAGATGTGCTGTAACATCAAAAGAAGACGGTGGGATCAGGAGATGCTG TTTTGAAAGAAGTGAGGTTTAGACTTCTCCATGTTAACCATGAGCGTGACACTTTCCCC CCTGAGGTCACAGGACCTGGATCCCATGGCTACTGATGCTTCACCCATGGCCATCAACAT GACACCCACTGTGGAGCAGGGTGAGGGAGAAGAGGCAATGAAGGACATGGACTCTGACCA GCAGTATGAAAAGCCACCCCACTACACACAGGGGCTGACTGGAAGATTGCCTCCTACTT ACCTGAAATTGAGACCTGGCTCCGGATGACCTCAGAGAGGGTCCGAGACCTAACCTATTC AGTCCAGCAGGATTCGGACAGCAAGCATGTGGATGTACATCTAGTTCAACTAAAGGACAT TTGTGAAGATATTTCTGATCATGTTGAGCAAATCCATGCCCTCCTGAAACAGAGTTCTC CCTAAAGCTGCTGCTTACTCTGTCAACGTGATAGTGGACATCCACGCAGTGCAGCTCCT CTGGCACCAGCTTCGAGTCTCAGTGTGGTTCTGCGGGAGCGCATTCTGCAAAGTCTGCA NGACGCCCATGGNCACTACACTANGCAGACAGACATTCTGCAAGCTTTCTCTGAAGAGAC AAAAAGAGGCCAGCTTGATTCTCTACAGAAGTGGATGACNTCAGACATTAAACATCAAAT GTCTCAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004274 unedited</p> <pre>CATAATCTGTGTTATTTATGCCATTTTAAATTACCATGCAATCTAATGGATTTAAGGCTT ATATTTTCCACATCACTAGACATCAAAACATGAAAGCATTTTATACTGTCATTATACAT CAATGTTTGTACTTGGTTATACATATACAGAAATTATTCACACATCTTAACCTTGCTA TTTCTCCTTTCAAACCAACATAATTTTACCGTGAAAGCAGCTTTTAAATAAATGGTATA AGAAATACAGCAAGGCACACTTTTTTAAAAAACTTTTTTCTCATTACCACCTCAAGAAGC ATAAAAAATGAAAATGTTGTACATAATTC AATAGTAGAATGTCACCAGTTTATAATATAC AACACCATATGGTTGTTTCTGAAATGCTGCATAGATTATTTTTTAAATGAAATAAATAA AATGGCGCTTTTAAATAGTTGCTTAAATTTTGAAGAAGGACCAGTGTCTTCTCTATGCT GCAACCAATTCAAATGTTGGCTTTTAGGTA AAACTCTTTAATAAACACAGTCATTATAC CGGTAAAAAAAATCAGATTGATACATGAAATGGGCAAGGACCTGGGGGGGGGGTAC TTCTAAACAGGACGATTTAATGCACCTACCCGTTGGGGAACTGGATAAATTTTAAAAAT TGCAGCGAAAGGAGGAGGCAAAAATCAAATTTTTCTCGTGAAACACAGGGTGGTCCAG GTAACCTCTGGAACAGACATCCTGGGGAACAACNACCCTCGTTCACATTTAAAAATAAT CCCCAAATACAAAACACGCCACACTTCTAAGTAAAAGGTGTCGGGGGGGAGAAACCCCTT CGAGTGGTGTACTTTCTGTTGCTCGGATATCTCTTAGCACACTTCTGCCCACATTTCGTA GGCTCCTCTTCCCTCCCTCTTCTCGCGCCCTTTNCCACCCACGTTCTTTCTCGCTCN CCTGTCCGGCCCTTCTCGCCCTGTGTGCGGGCCTCCTCCCGCTGTTACCTTACTCTC CCGCCACCGGGCGAACTACTAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004274
Insert Size:	8940 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_004274.3](#), [NP_004265.3](#)

RefSeq Size: 10342 bp

RefSeq ORF: 6960 bp

Locus ID: 9472

UniProt ID: [Q13023](#)

Cytogenetics: 14q12

Domains: spectrin

Protein Families: Druggable Genome

Gene Summary: The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein is highly expressed in various brain regions and cardiac and skeletal muscle. It is specifically localized to the sarcoplasmic reticulum and nuclear membrane, and is involved in anchoring PKA to the nuclear membrane or sarcoplasmic reticulum. [provided by RefSeq, Jul 2008]