

Product datasheet for **SC110059**

AKAP7 (NM_004842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AKAP7 (NM_004842) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKAP7
Synonyms:	AKAP15; AKAP18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004842 edited ATGGGCCAGCTTTGCTGCTTTCTTTCTCAAGAGATGAAGGAAAAATCAGTGAAAAGAAC GGAGGGGAGCCCGATGACGCTGAACTAGTAAGGCTCAGTAAGAGGCTGGTGGAGAACGCG GTGCTCAAGGCTGTCCAGCAGTATCTGGAGGAAACACAGAATAAAAAACAAGCCGGGGGAG GGGAGCTCTGTGAAAACCGAAGCAGCTGATCAGAATGGCAATGACAATGAGAACAACAGG AAATGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004842 unedited AGGNCAGGCCGCGNATATCGGCACGAAGGTTTGGCTCTTCAAGCTGCCTGTGCTGCTCCG TGGAGTGAAAAGCAGGGTGTGCTCGCAGACTGTGCTATAAACTGCAATTTCTATTTGGG GTCCTCACGGAGAATAACACCAGGAAAGACAGACAGGACCAGTGCCATGGCCAGCTTTG CTGCTTTCTTTCTCAAGAGATGAAGGAAAAATCAGTGAAAAGAACGGAGGGGAGCCGA TGACGCTGAACTAGTAAGGCTCATTAAAGAGGCTGGTGGAGAACGCGGTGCTCAAGGCTGT CCAGCAGTATCTGGAGGAAACACAGAATAAAAAACAAGCCGGGGGAGGGGAGCTCTGTGAA AACCGAAGCAGCTGATTCAGAATGGCAATGACAATGAGAACAACAGGAAATGAGCCCGGA ACGCATGCCCCCATGTCTCTGTGCAAAGCCTCCCTGCTTCCCTCTGCTGAGTCTAGGGAC TGACTTGACGCTGCTGTTAAGTTAAGTTTCTCTGGTGAATCTGTGAAGATTGCCTAA TACTTTTCATGATCGATGTGTTTCGATTGCTGAAACACAACAGAAGATAAATGGAGTGTCT GGGACTGGCAGAGGAAATTAATTGATGAAAGAAGAATGGCCCAAGTTTCATTTCGCCCTCA GCCACGCACAAGGAAAGGGAACCTTTGGGTTATGCCTCCTGGACGCANATTAAGGCCGA GAAAGATGCCTTGCCATCAATGGAATACTGCCATTTATATTGCTTAGCANGGCATTTGAC TACTTNTATCTGAGCCAGAACTCTCACACAGCTATCAAGTTGCTAAGTTTTAAATAT CACTGTTNGNATTTTGTATCTGTACATTAGTCCCATATGTTTTTCATGTTTTGTCCTAG TGTGCTGTTGCTATGCANTGT



[View online »](#)

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004842 unedited GGCAACTTCCAGGGCCAGGTAGAGCACTGGGGAGGGTCCACAGGGATGCCACCCGGGATC TGTTTCAGGAAACAGCTATGACCGCGGCCCAATCTAGAGNCGAGTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTCAAGGGAAAACAATATGTTTATTAAGCCATGAAAATGCATAAC CTCATTGTAAATAAATGTAGTATAATTTACCCAGGGAAAAATACCTAAAATCCATGAG TAAACTGGATTTTATATTTGAAATGATTTTACATATTTGATCTCCAGGGATTCCTCCCTCC ATCATGATCTACTCCATCAATGACTATGAAAAAGTTGTTACCAACAATCATCATACCGG GGAAGTTTTTCAAGATGCTTTTTCAAACAAAACAGTGCAAACAAGTTCAGATGGCGNNA TATAACAATAAGACCTGGAGCTTATTTTCGACCCGTAAAAATAAAAATCCCAAACCTGT TTTCCTTAAGAAATGAAAAAGCAGACCACCATTTTGTATCAGGGAAAAATATTATAAGGAT ATTTAAAACATCTTTAACAGGGATCGCATAATTACATTATAAATGTTTCATTCAAGTAC TATTGTTCAATAAACATTCAAATCTCATTAAAAGTAACACTAAATGTAGACCACACCTG GACAACGTTCTTTTGTATTTACCAACAATTGTGGCCAACAGAGGCAAGGGACCCTAAAAT ACTGGTTGTGCTCANNNAATATTCTGGTTGGGATGAATTGTCCCAGTCTGTTTGTTTTT TTCGCGGAGGCCCGANAATATCTCCACCGCTAATAAAAATTCATTTCTATAAAAACCT TCAATATACCAACCAGATTTCTAACCCAGGTGGTACTAAAATATTGGCACACAATTTCT TGCAAGATGCTTTTCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_004842
Insert Size:	2240 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_004842.2 , NP_004833.1
RefSeq Size:	2279 bp
RefSeq ORF:	246 bp
Locus ID:	9465
UniProt ID:	O43687
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs have a common RII-binding domain, but contain different targeting motifs responsible for directing PKA to distinct intracellular locations. Three alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Apr 2011]

Transcript Variant: This variant (alpha) encodes isoform alpha.