

Product datasheet for **SC337580**

AKAP3 (NM_001278309) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AKAP3 (NM_001278309) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKAP3
Synonyms:	AKAP 110; AKAP110; CT82; FSP95; HEL159; PRKA3; SOB1
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278309, the custom clone sequence may differ by one or more nucleotides

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ATGTCAGAAAAGGTTGACTGGTTACAAAGCCAAAATGGAGTATGCAAAGTTGATGTCTATTCTCCTGGAG
ACAACCAAGCCCAGGACTGGAAAATGGACACCTCCACGGATCCTGTCAGAGTGCTCAGCTGGCTCCGCAG
AGACCTGGAGAAGAGTACAGCAGAGTTCCAAGATGTTCCGTTCAAACCCGGAGAATCATTGGTGGGGAA
AGTCCAACCTCAGGAGACCCACACAAAGGTTTCTCTGTAGACTATTACAACACCACCACCAAGGGCACTC
CAGAAAAGATTGCATTTTGTAGATGACTCACAAAAGAGATTCTTGCCAGGGCCCCAGGGCCAACTTGCAAA
CGGGAGTTCAGTAGATGAAGTTTCTTCTATGCTAACCCTCACGAATCTAGTCATAGCCATGGCCCGC
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AACCCACACCCACAAAAGCCTCAGTAAGATAGCATCAGAGCTTGTGAATGAGACCGTCTCTGCATGTTT
CAGGAATGCTGCCCCAGACAAGGCTCCTGGCTCTGGAGACAGAGTCTCGGGATCATCACAAAGTCCCCCA
AATTTGAAATACAAGTCCACTTTGAAGATCAAGGAGAGCACCAAAAGAAAGACAGGGTCCAGATGACAAGC
CTCCTTAAAGAAGTCTTCTTCTATAAGGAAGTGTGAAATCTCGTAACGGAGATTATGCCAGAGAGGG
TGGAAAGTTCTTCTCCTCGGGAGAGAAAGAGGTTTCGAGGGCAGGAAAGGCTGATGACTTACGGCTTCT
GTTAGTGAAGGGATCATGACCTATGCTAACAGTGTGGTATCTGATATGATGGTCTCCATCATGAAGACAC
TGAAGATCCAAGTGAAGACACAACCTTGGCCACCCTACTGAAGAAGGTTCTGCTCAAGCATGCAAAA
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GACACACAGTTTGTCTCGGCTGTGAAAAGAACTGTCTTCTCATGGAAGCCAAAAGGCCACAGATATCA
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CCAAGACAAGGCTGAGAGTTATCCCTCATCTCCATGAAAGGAATGGGTGATCTAAAAACCGAAATGTG
AACTTTGCCATGAAATCTGAAACTAAATGAGAGAAAAAATGTATTCTGAACCCAAATCAGAGAGAGAGA
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GACATTTCTTTGAGTACCCTGAAGATATTGGCAACCTCAGCCTTCTCCATATCTCCAGAGAAACCTG
AGAATTTTATGTATGATTAGACTCCTGGGCAAGGACCTGATCGTGTCTGCCCTGCTTCTGATTCAATA
TCACCTGGCCAGGGAGGAAGAAGGGATGCACGGAGCTTCGTTGAAGCTGCTGGCACCACCAACTTCTCT
GCCAATGAACCTCCTGTAGCTCCCGATGAATCTTGCCCTAAGTCTGCTCCCATTGTAGGTGACCAAGAAC
AAGCAGAAAAGAAGGACCTAAGGAGTGTCTTCTTAATTTTATCCCGAACTTACTTAGTGAGACCATTTT
CAAGCGTGACAGAGCCCTGAACCAAGGTGCCGGAACAGCCAGTTAAGGAAGATAGGAAGTTGTGTGAA
AGACCGTTGGCGTCTTCTCCCCCAGGCTATATGAGGATGATGAGACCCCTGGTGCCTTCTGGGCTGA
CCAAGATGGCTGTGAGCCAGATAGATGGCCACATGAGTGGGCAGATGGTGAACATCTGATGAACTCAGT
GATGAAGCTGTGTGCATCATTGCTAAGTCTGTGATGCTTCGTTGGCAGAGCTGGGAGATGACAAGTCT
GGAGATGCCAGTAGGCTAACTTCGGCTTCCCAGATAGTTTATATGAGTGTCTACCAGCCAAGGGCACAG
GGTCAGCAGAAGTGTCTGCAGAAATGCCTATCAAGCTATCCATAATGAAATGAGAGGCACATCAGGACA
GCCCCCTGAAGGGTGTGCAGCACCCACGGTATTGTGAGCAATCACAACCTAACGGACACAGTTCAGAAC
AAGCAACTCCAAGCGTCTTCAATGGGTAGCTGCCTCTGAGCTCAATGTCCCTATTTTGTATTTTGTGCTG
GTGATGATGAAGGGATCCAGGAGAAGTACTTTCAGCTCTCAGCTGCTGCTGGACAAAGGATGCAGTGT
GGGCGAGGTTCTGCAGTCGGTGTGCGCTATGAGAAGGAGCGCCAGCTGAATGAGCGGTTGGGGAATGTC
ACACCGCTGCAGCTGCTGGACTGGCTGATGGTGAACCTGTAA
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Restriction Sites: SgfI-MluI

ACCN: NM_001278309

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:	<u>NM_001278309.1</u> , <u>NP_001265238.1</u>
RefSeq Size:	3345 bp
RefSeq ORF:	2562 bp
Locus ID:	10566
UniProt ID:	<u>O75969</u>
Cytogenetics:	12p13.32
Protein Families:	Druggable Genome
Gene Summary:	<p>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 encoded protein is reported to participate in protein-protein interactions with the R-subunit of the protein kinase A as well as sperm-associated proteins. This protein is expressed in spermatozoa and localized to the acrosomal region of the sperm head as well as the length of the principal piece. It may function as a regulator of motility, capacitation, and the acrosome reaction. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>